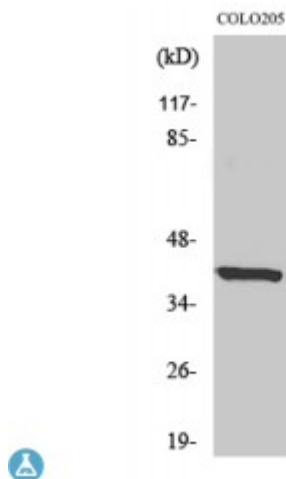


## Anti-eIF epsilon antibody



|                         |                                                                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>      | Rabbit polyclonal to eIF3epsilon.                                                                                                                                    |
| <b>Model</b>            | STJ92878                                                                                                                                                             |
| <b>Host</b>             | Rabbit                                                                                                                                                               |
| <b>Reactivity</b>       | Human, Mouse, Rat                                                                                                                                                    |
| <b>Applications</b>     | ELISA, IHC, WB                                                                                                                                                       |
| <b>Immunogen</b>        | Synthesized peptide derived from human eIF3epsilon                                                                                                                   |
| <b>Immunogen Region</b> | 50-130 aa, Internal                                                                                                                                                  |
| <b>Gene ID</b>          | <a href="#">8665</a>                                                                                                                                                 |
| <b>Gene Symbol</b>      | <a href="#">EIF3F</a>                                                                                                                                                |
| <b>Dilution range</b>   | WB 1:500-1:2000IHC 1:100-1:300ELISA 1:40000                                                                                                                          |
| <b>Specificity</b>      | eIF3epsilon Polyclonal Antibody detects endogenous levels of eIF3epsilon protein.                                                                                    |
| <b>Purification</b>     | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                |
| <b>Note</b>             | For Research Use Only (RUO).                                                                                                                                         |
| <b>Protein Name</b>     | Eukaryotic translation initiation factor 3 subunit F eIF3f Deubiquitinating enzyme eIF3f Eukaryotic translation initiation factor 3 subunit 5 eIF-3-epsilon eIF3 p47 |
| <b>Molecular Weight</b> | 38 kDa                                                                                                                                                               |
| <b>Clonality</b>        | Polyclonal                                                                                                                                                           |

|                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Conjugation</b>                      | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Isotype</b>                          | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Formulation</b>                      | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Concentration</b>                    | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage Instruction</b>              | Store at -20°C, and avoid repeat freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Database Links</b>                   | <a href="https://www.ncbi.nlm.nih.gov/Protein/32750">HGNC:32750</a> <a href="https://www.ncbi.nlm.nih.gov/Protein/MIM:603914">MIM:603914</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Alternative Names</b>                | Eukaryotic translation initiation factor 3 subunit F eIF3f Deubiquitinating enzyme eIF3f Eukaryotic translation initiation factor 3 subunit 5 eIF-3-epsilon eIF3 p47                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Function</b>                         | Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis . The eIF-3 complex associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2:GTP:methionyl-tRNA <sup>i</sup> and eIF-5 to form the 43S pre-initiation complex (43S PIC). The eIF-3 complex stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. The eIF-3 complex is also required for disassembly and recycling of post-termination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation . The eIF-3 complex specifically targets and initiates translation of a subset of mRNAs involved in cell proliferation, including cell cycling, differentiation and apoptosis, and uses different modes of RNA stem-loop binding to exert either translational activation or repression . Deubiquitinates activated NOTCH1, promoting its nuclear import, thereby acting as a positive regulator of Notch signaling. |
| <b>Sequence and Domain Family</b>       | The MPN domain mediates deubiquitinating activity.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Cellular Localization</b>            | Cytoplasm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Post-translational Modifications</b> | Phosphorylation is enhanced upon serum stimulation. Phosphorylated during apoptosis by caspase-processed CDK11.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |