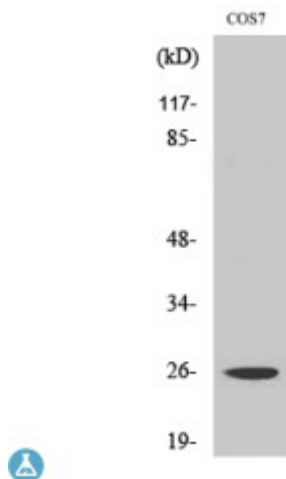


## Anti-eIF4E antibody



|                         |                                                                                                                       |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>      | Rabbit polyclonal to eIF4E.                                                                                           |
| <b>Model</b>            | STJ92881                                                                                                              |
| <b>Host</b>             | Rabbit                                                                                                                |
| <b>Reactivity</b>       | Human, Mouse, Rat, Simian                                                                                             |
| <b>Applications</b>     | ELISA, IHC, WB                                                                                                        |
| <b>Immunogen</b>        | Synthesized peptide derived from human eIF4E around the non-phosphorylation site of S209.                             |
| <b>Immunogen Region</b> | 140-220 aa                                                                                                            |
| <b>Gene ID</b>          | <a href="#">1977</a>                                                                                                  |
| <b>Gene Symbol</b>      | <a href="#">EIF4E</a>                                                                                                 |
| <b>Dilution range</b>   | WB 1:500-1:2000IHC 1:100-1:300ELISA 1:10000                                                                           |
| <b>Specificity</b>      | eIF4E Polyclonal Antibody detects endogenous levels of eIF4E 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 4E eIF-4E eIF4E eIF-4F 25 kDa subunit mRNA cap-binding protein               |
| <b>Molecular Weight</b> | 26 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/condensedbook/condensedbook.cgi?HGNC:3287OMIM:133440">HGNC:3287OMIM:133440</a>                                                                                                                                                                                                                                                                                                       |
| <b>Alternative Names</b>                | Eukaryotic translation initiation factor 4E eIF-4E eIF4E eIF-4F 25 kDa subunit mRNA cap-binding protein                                                                                                                                                                                                                                                                                                                    |
| <b>Function</b>                         | Recognizes and binds the 7-methylguanosine-containing mRNA cap during an early step in the initiation of protein synthesis and facilitates ribosome binding by inducing the unwinding of the mRNAs secondary structures. Component of the CYFIP1-EIF4E-FMR1 complex which binds to the mRNA cap and mediates translational repression. In the CYFIP1-EIF4E-FMR1 complex this subunit mediates the binding to the mRNA cap. |
| <b>Cellular Localization</b>            | Cytoplasm, P-body Cytoplasm                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Post-translational Modifications</b> | Phosphorylation increases the ability of the protein to bind to mRNA caps and to form the eIF4F complex.                                                                                                                                                                                                                                                                                                                   |

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