

## Anti-PI 3-kinase p101 antibody

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|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>        | Rabbit polyclonal to PI 3-kinase p101.                                                                                                                                                                                     |
| <b>Model</b>              | STJ95073                                                                                                                                                                                                                   |
| <b>Host</b>               | Rabbit                                                                                                                                                                                                                     |
| <b>Reactivity</b>         | Human, Mouse                                                                                                                                                                                                               |
| <b>Applications</b>       | ELISA, IHC, WB                                                                                                                                                                                                             |
| <b>Immunogen</b>          | Synthesized peptide derived from human PI 3-kinase p101                                                                                                                                                                    |
| <b>Immunogen Region</b>   | 670-750 aa, C-terminal                                                                                                                                                                                                     |
| <b>Gene ID</b>            | <a href="#">23533</a>                                                                                                                                                                                                      |
| <b>Gene Symbol</b>        | <a href="#">PIK3R5</a>                                                                                                                                                                                                     |
| <b>Dilution range</b>     | WB 1:500-1:2000IHC 1:100-1:300ELISA 1:20000                                                                                                                                                                                |
| <b>Specificity</b>        | PI 3-kinase p101 Polyclonal Antibody detects endogenous levels of PI 3-kinase p101 protein.                                                                                                                                |
| <b>Tissue Specificity</b> | Ubiquitously expressed with high expression in fetal brain compared to adult brain. Abundant expression is observed in cerebellum, cerebral cortex, cerebral meninges, and vermis cerebelli.                               |
| <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>       | Phosphoinositide 3-kinase regulatory subunit 5 PI3-kinase regulatory subunit 5 PI3-kinase p101 subunit Phosphatidylinositol 4,5-bisphosphate 3-kinase regulatory subunit PtdIns-3-kinase regulatory subunit Protein FOAP-2 |

|                                   |                                                                                                                                                                                                                                   |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Molecular Weight</b>           | 100 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/300350">HGNC:300350MIM:611317</a>                                                                                                                                                   |
| <b>Alternative Names</b>          | Phosphoinositide 3-kinase regulatory subunit 5 PI3-kinase regulatory subunit 5 PI3-kinase p101 subunit Phosphatidylinositol 4,5-bisphosphate 3-kinase regulatory subunit PtdIns-3-kinase regulatory subunit Protein FOAP-2        |
| <b>Function</b>                   | Regulatory subunit of the PI3K gamma complex. Required for recruitment of the catalytic subunit to the plasma membrane via interaction with beta-gamma G protein dimers. Required for G protein-mediated activation of PIK3CG .   |
| <b>Sequence and Domain Family</b> | The heterodimerization region allows the binding to the catalytic subunit.                                                                                                                                                        |
| <b>Cellular Localization</b>      | Nucleus Cytoplasm Cell membrane. Predominantly localized in the nucleus in absence of PIK3CG/p120. Colocalizes with PIK3CG/p120 in the cytoplasm. Translocated to the plasma membrane in a beta-gamma G protein-dependent manner. |

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