



InsP 3-kinase B Polyclonal Antibody

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| Catalog No | YP-Ab-14787 |
| Isotype | IgG |
| Reactivity | Human;Mouse;Rat |
| Applications | WB;ELISA |
| Gene Name | ITPKB |
| Protein Name | Inositol-trisphosphate 3-kinase B |
| Immunogen | Synthesized peptide derived from InsP 3-kinase B . at AA range: 130-210 |
| Specificity | InsP 3-kinase B Polyclonal Antibody detects endogenous levels of InsP 3-kinase B protein. |
| Formulation | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Source | Polyclonal, Rabbit,IgG |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Dilution | Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications. |
| Concentration | 1 mg/ml |
| Purity | ≥90% |
| Storage Stability | -20°C/1 year |
| Synonyms | ITPKB; Inositol-trisphosphate 3-kinase B; Inositol 1; 4,5-trisphosphate 3-kinase B; IP3 3-kinase B; IP3K B; InsP 3-kinase B |
| Observed Band | 100kD |
| Cell Pathway | Cytoplasm, cytoskeleton . Cytoplasm . Endoplasmic reticulum . |
| Tissue Specificity | Brain,Cerebellum,Colon,Hippocampus,Platelet,Skin, |
| Function | catalytic activity:ATP + 1D-myo-inositol 1,4,5-trisphosphate = ADP + 1D-myo-inositol 1,3,4,5-tetrakisphosphate.,enzyme regulation:IP3K is activated by calmodulin. Form B is much more sensitive to calcium/calmodulin than form A.,similarity:Belongs to the inositol phosphokinase (IPK) family., |
| Background | The protein encoded by this protein regulates inositol phosphate metabolism by phosphorylation of second messenger inositol 1,4,5-trisphosphate to Ins(1,3,4,5)P4. The activity of this encoded protein is responsible for regulating the levels of a large number of inositol polyphosphates that are important in cellular signaling. Both calcium/calmodulin and protein phosphorylation mechanisms control its activity. [provided by RefSeq, Jul 2008], |
| matters needing attention | Avoid repeated freezing and thawing! |

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images