

Anti-Human/Mouse/Rat ITPKA Polyclonal Antibody

Polyclonal Antibody

Cat.NO.: PA04621

3th Edition

Description:Regulates inositol phosphate metabolism by phosphorylation of second messenger inositol 1,4,5-trisphosphate to Ins(1,3,4,5)P₄. The activity of the inositol 1,4,5-trisphosphate 3-kinase 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. It is also a substrate for the cyclic AMP-dependent protein kinase, calcium/calmodulin- dependent protein kinase II, and protein kinase C in vitro. ITPKA (Inositol-Trisphosphate 3-Kinase A) is a Protein Coding gene. Among its related pathways are Inositol phosphate metabolism (KEGG) and Calcium signaling pathway. GO annotations related to this gene include calmodulin binding and calmodulin-dependent protein kinase activity. An important paralog of this gene is ITPKB.

Antigen:Synthesized peptide derived from the C-terminal region of human IP3KA

Form:

How to use:1.0 ml distilled water will be added to the product

Stability: Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

Dilution:PBS (pH7.4) containing 1% BSA

Application:This antibody can be used for western blotting in concentration of 1?5?g/ml.

Specificity: