IP3KA (H431) polyclonal antibody

Catalog: BCP00972 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

Inositol 1,4,5-trisphosphate (Ins(1,4,5)P3) regulates the level of calcium within the cell by releasing calcium from intracellular stores. Ins(1,4,5)P3 is phosphorylated by inositol 1,4,5-trisphosphate 3-kinase (IP3K) to form inositol 1,3,4,5-tetrakisphosphate (Ins(1,4,5)P4), which is is thought to regulate the influx of calcium across the plasma membrane. IP3K exists as three isoforms, IP3KA, B, and C. IP3KA, the most highly characterized isoform, is approximately 51 kDa and is expressed in rat brain and testis. IP3KB has a molecular weight of 74 kDa and is expressed in various rat tissues such as lung, thymus, testis, brain, and heart. IP3K activity is stimulated in the presence of calmodulin via phosphorylation by cAMP-dependent protein kinase, protein kinase C, or calcium/calmodulin dependent protein kinase II and, subsequently, mediates the inositol phosphate signaling pathways.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 51 kDa

Swiss-Prot:

P23677

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

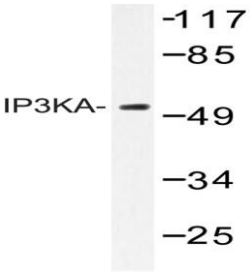
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

IP3KA (H431) polyclonal antibody detects endogenous levels of IP3KA protein.

DATA:



Western blot (WB) analysis of IP3KA (H431) polyclonal antibody at 1:500 dilution

Lane1:THP-1 whole cell lysate(40ug)

Lane2:The Lung tissue lysate of Rat(40ug)

Lane3:The Lung tissue lysate of Mouse(40ug)

Lane4:Jurkat whole cell lysate(40ug)

Note:

For research use only, not for use in diagnostic procedure.

Complex biotech, co. Ltd.
Add：No 9, weidi road Qixia District Nanjing, 210046, P. R. China.