

VIP2 rabbit pAb

YT7345 Catalog No:

Human; Mouse Reactivity:

Applications: WB

Target: VIP2

Fields: >>Phosphatidylinositol signaling system

Gene Name: PPIP5K2 HISPPD1 KIAA0433 VIP2

O43314

Protein Name: VIP2

Human Gene Id: 23262

Human Swiss Prot

No:

Mouse Gene Id: 227399

Mouse Swiss Prot

No:

Q6ZQB6

Synthesized peptide derived from human VIP2 AA range: 266-316 Immunogen:

This antibody detects endogenous levels of VIP2 at Human/Mouse **Specificity:**

Formulation: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1?500-2000

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

1/2



Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight: 137kD

Background:

This gene encodes a member of the histidine acid phosphatase family of proteins. Despite containing a histidine acid phosphatase domain, the encoded protein functions as an inositol pyrophosphate kinase, and is thought to lack phosphatase activity. This kinase activity is the mechanism by which the encoded protein synthesizes high-energy inositol pyrophosphates, which act as signaling molecules that regulate cellular homeostasis and other processes. This gene may be associated with autism spectrum disorder in human patients. [provided by RefSeq, Sep 2016],

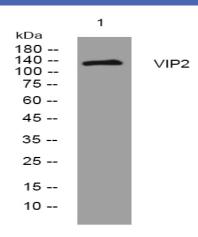
Function:

catalytic activity:ATP + 1D-myo-inositol 1,3,4,5,6-pentakisphosphate = ADP + diphospho-1D-myo-inositol tetrakisphosphate (isomeric configuration unknown).,catalytic activity:ATP + 1D-myo-inositol 5-diphosphate pentakisphosphate = ADP + 1D-myo-inositol bisdiphosphate tetrakisphosphate (isomeric configuration unknown).,catalytic activity:ATP + 1D-myo-inositol hexakisphosphate = ADP + 5-diphospho-1D-myo-inositol (1,2,3,4,6)pentakisphosphate.,caution:Although related to histidine acid phosphatases, it lacks the conserved active sites, suggesting that it has no phosphatase activity.,function:Bifunctional inositol kinase that catalyzes the formation of diphosphoinositol pentakisphosphate (InsP7 or PP-InsP5) and bi-diphosphoinositol tetrakisphosphate (InsP8 or PP2-InsP4). Converts inositolitol hexakisphosphate (InsP6) to InsP7. Also able to convert InsP7 to InsP8. Probably specifically mediates

Subcellular Location:

Cytoplasm, cytosol.

Products Images



Western blot analysis of lysates from THP-1 cells, primary antibody was diluted at 1:1000, 4° over night