



VIP1 mouse mAb

Catalog No	YP-mAb-11204
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	PPIP5K1 HISPPD2A IP6K IPS1 KIAA0377 VIP1
Immunogen	Synthesized peptide derived from human VIP1 AA range: 1350-1400
Specificity	This antibody detects endogenous levels of VIP1 at Human/Mouse/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	VIP1;PPIP5K1 HISPPD2A IP6K IPS1 KIAA0377 VIP1
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Cytoplasm, cytosol . Cell membrane . Relocalizes to the plasma membrane upon activation of the PtdIns 3-kinase pathway. .
Tissue Specificity	Widely expressed, with a higher expression in skeletal muscle, heart and brain.
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



Background

This gene encodes a dual functional inositol kinase. The encoded enzyme converts inositol hexakisphosphate to diphosphoinositol pentakisphosphate and diphosphoinositol pentakisphosphate to bis-diphosphoinositol tetrakisphosphate. This protein may be important for intracellular signaling pathways. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 15.[provided by RefSeq, Jun 2010],

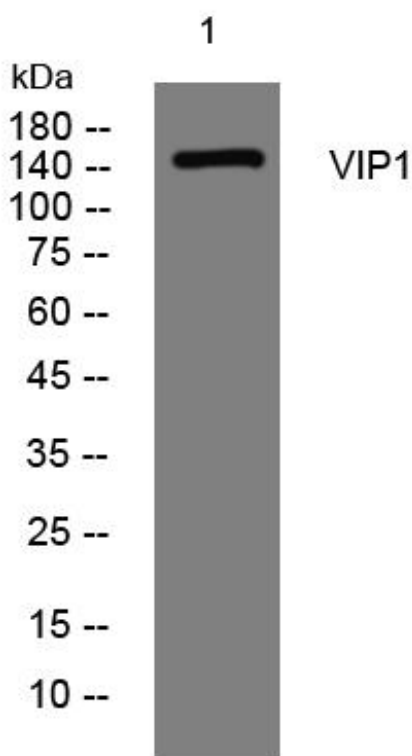
matters needing attention

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



Western Blot analysis of various cells using VIP1 mouse mAb