

## VIP1 rabbit pAb

<b>Catalog No :</b>	YT6569
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB
<b>Target :</b>	VIP1
<b>Fields :</b>	>>Phosphatidylinositol signaling system
<b>Gene Name :</b>	PPIP5K1 HISPPD2A IP6K IPS1 KIAA0377 VIP1
<b>Protein Name :</b>	VIP1
<b>Human Gene Id :</b>	9677
<b>Human Swiss Prot No :</b>	Q6PFW1
<b>Mouse Gene Id :</b>	327655
<b>Mouse Swiss Prot No :</b>	A2ARP1
<b>Rat Swiss Prot No :</b>	P0C644
<b>Immunogen :</b>	Synthesized peptide derived from human VIP1 AA range: 1350-1400
<b>Specificity :</b>	This antibody detects endogenous levels of VIP1 at Human/Mouse/Rat
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

**Concentration :** 1 mg/ml

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

**Molecularweight :** 158kD

**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],

**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 inositol hexakisphosphate (InsP6) to InsP7. Also able to convert InsP7 to InsP8. Probably specifically mediates

**Subcellular Location :** Cytoplasm, cytosol . Cell membrane . Relocalizes to the plasma membrane upon activation of the PtdIns 3-kinase pathway. .

**Expression :** Widely expressed, with a higher expression in skeletal muscle, heart and brain.

## Products Images

