

## I5P2 rabbit pAb

<b>Catalog No :</b>	YT7103
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB
<b>Target :</b>	I5P2
<b>Fields :</b>	>>Inositol phosphate metabolism;>>Metabolic pathways;>>Phosphatidylinositol signaling system
<b>Gene Name :</b>	INPP5B OCRL2
<b>Protein Name :</b>	I5P2
<b>Human Gene Id :</b>	3633
<b>Human Swiss Prot No :</b>	P32019
<b>Mouse Gene Id :</b>	16330
<b>Mouse Swiss Prot No :</b>	Q8K337
<b>Immunogen :</b>	Synthesized peptide derived from human I5P2 AA range: 292-342
<b>Specificity :</b>	This antibody detects endogenous levels of I5P2 at Human/Mouse
<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.
<b>Concentration :</b>	1 mg/ml

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

**Molecularweight :** 109kD

**Background :** This gene encodes a member of a family of inositol polyphosphate-5-phosphatases. These enzymes function in the regulation of calcium signaling by inactivating inositol phosphates. The encoded protein is localized to the cytosol and mitochondria, and associates with membranes through an isoprenyl modification near the C-terminus. Alternatively spliced transcript variants of this gene have been described. [provided by RefSeq, Jul 2014],

**Function :** catalytic activity:1-phosphatidyl-1D-myo-inositol 4,5-bisphosphate + H(2)O = 1-phosphatidyl-1D-myo-inositol 4-phosphate + phosphate.,function:Hydrolyzes the calcium-mobilizing second messenger Ins(1,4,5)P3, this is a signal-terminating reaction.,similarity:Belongs to the inositol-1,4,5-trisphosphate 5-phosphatase type II family.,similarity:Contains 1 Rho-GAP domain.,tissue specificity:Platelets.,

**Subcellular Location :** Cytoplasm, cytosol . Endoplasmic reticulum-Golgi intermediate compartment . Early endosome membrane . Membrane ; Peripheral membrane protein ; Cytoplasmic side . Cytoplasmic vesicle, phagosome membrane . Golgi apparatus .

**Expression :** Platelets.

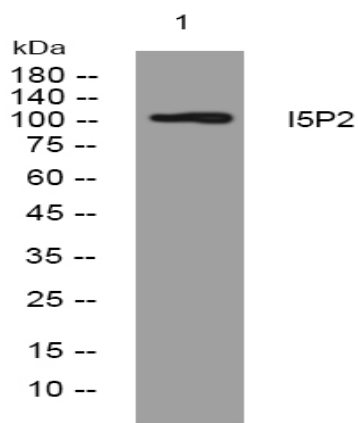
**Sort :** 8293

**No4 :** 1

**Host :** Rabbit

**Modifications :** Unmodified

## Products Images



Western blot analysis of lysates from HCT116 cells, primary antibody was diluted at 1:1000, 4° over night