

## OSBP1 rabbit pAb

<b>Catalog No :</b>	YN3874
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB
<b>Target :</b>	OSBP1
<b>Gene Name :</b>	OSBP OSBP1
<b>Protein Name :</b>	OSBP1
<b>Human Gene Id :</b>	5007
<b>Human Swiss Prot No :</b>	P22059
<b>Mouse Gene Id :</b>	76303
<b>Mouse Swiss Prot No :</b>	Q3B7Z2
<b>Immunogen :</b>	Synthesized peptide derived from human OSBP1 AA range: 284-334
<b>Specificity :</b>	This antibody detects endogenous levels of OSBP1 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
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

**Molecularweight :** 89kD

**Background :** Oxysterol binding protein is an intracellular protein that is believed to transport sterols from lysosomes to the nucleus where the sterol down-regulates the genes for the LDL receptor, HMG-CoA reductase, and HMG synthetase [provided by RefSeq, Jul 2008],

**Function :** domain:The PH and Ala/Gly-rich domains control cholesterol binding without affecting 25-hydroxycholesterol binding.,domain:The second coiled-coil domain is required for interaction with the tyrosine phosphatase.,function:Binds cholesterol and a range of oxysterols. Cholesterol binding promotes the formation of a complex with PP2A and a tyrosine phosphatase which dephosphorylate ERK1/2, whereas 25-hydroxycholesterol causes its disassembly. Regulates cholesterol efflux by decreasing ABCA1 stability.,similarity:Belongs to the OSBP family.,similarity:Contains 1 PH domain.,subcellular location:When bound to oxysterols, translocates to the periphery of Golgi membranes.,subunit:Homodimer or homotrimer.,tissue specificity:Widely expressed.,

**Subcellular Location :** Cytoplasm, cytosol . Cytoplasm, perinuclear region . Golgi apparatus membrane; Peripheral membrane protein . Endoplasmic reticulum membrane; Peripheral membrane protein . Golgi apparatus, trans-Golgi network . Predominantly cytosolic. .

**Expression :** Widely expressed.

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