OSBPL3 Rabbit pAb

Catalog No	YP-Ab-18671
Isotype	IgG
Reactivity	Human,Mouse
Applications	WB
Gene Name	OSBPL3 KIAA0704 ORP3 OSBP3
Protein Name	Oxysterol-binding protein-related protein 3 (ORP-3) (OSBP-related protein 3)
Immunogen	Synthesized peptide derived from human OSBPL3
Specificity	This antibody detects endogenous levels of OSBPL3 at Human, Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	98kD
Cell Pathway	Endoplasmic reticulum membrane ; Peripheral membrane protein . Cytoplasm, cytosol . Cell membrane ; Peripheral membrane protein . Cell projection, filopodium tip . Nucleus membrane ; Peripheral membrane protein . Co-localizes with OSBPL6 at contact sites between the plasma membrane and the endoplasmic reticulum. .
Tissue Specificity	Expressed in a subset of small lymphocytes (at protein level). Expressed at high concentration in kidney, lymph node and thymus. Expressed at moderate concentration in stomach, jejunum, ileum, appendix, spleen, leukocytes, trachea, lung and thyroid gland. Expressed at low concentration in whole brain, esophagus, duodenum, ileocecum, colon, skeletal muscle, bone marrow, placenta and mammary gland (PubMed:14593528). Isoform 1a, isoform 1b, isoform 1c and isoform 1d are highly expressed in brain, bone marrow, colon, kidney, lung, skeletal muscle, spleen, thymus and thyroid. Not expressed in heart and liver. Isoform 2a, isoform 2b, isoform 2c and isoform 2d are expressed in brain, bone marrow, kidney, skeletal muscle, spleen, thymus and thyroid. Not expressed in heart, liver and lung (PubMed:12590732).
Function	Phosphoinositide-binding protein which associates with both cell and endoplasmic reticulum (ER) membranes . Can bind to the ER membrane protein VAPA and recruit VAPA to plasma membrane sites, thus linking these intracellular

	compartments . The ORP3-VAPA complex stimulates RRAS signaling which in turn attenuates integrin beta-1 (ITGB1) activation at the cell surface . With VAPA, may regulate ER morphology . Has a role in regulation of the actin cytoskeleton, cell polarity and cell adhesion . Binds to phosphoinositides with preference for PI(3,4)P2 and PI(3,4,5)P3 . Also binds 25-hydroxycholesterol and cholesterol .
Background	
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.

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