10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

OSBPL9 Rabbit pAb

OSBPL9 Rabbit pAb
Catalog # AP56731

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q96SU4
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	83185
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human OSBPL9
Epitope Specificity	101-200/736
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Golgi Apparatus.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a member of the oxysterol-binding protein (OSBP) family, a group of intracellular lipid receptors. Most members contain an N-terminal pleckstrin homology domain and a highly conserved C-terminal OSBP-like sterol-binding domain, although some members contain only the sterol-binding domain. This family member functions as a cholesterol transfer protein that regulates Golgi structure and function. Multiple transcript variants, most of which encode distinct isoforms, have been identified. Related pseudogenes have been identified on chromosomes 3, 11 and 12. [provided by RefSeq, Jul 2010]

Additional Information

Gene ID	114883
Other Names	Oxysterol-binding protein-related protein 9, ORP-9, OSBP-related protein 9, OSBPL9, ORP9, OSBP4
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

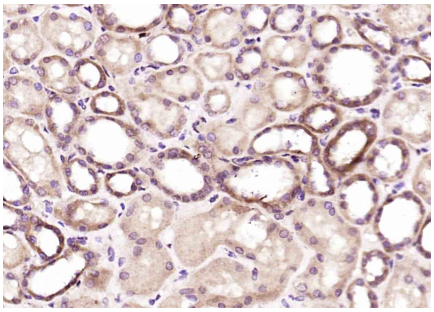
Protein Information

Name	OSBPL9 (HGNC:16386)
Synonyms	ORP9, OSBP4
Function	Interacts with OSBPL11 to function as lipid transfer proteins (PubMed:39106189). Together they form a heterodimer that localizes at the ER-trans-Golgi membrane contact sites, and exchanges phosphatidylserine (1,2-diacyl-sn-glycero-3-phospho-L-serine, PS) for phosphatidylinositol-4-phosphate (1,2-diacyl-sn-glycero-3-phospho-(1D-myo-inositol 4-phosphate), PI(4)P) between the two organelles, a step that is critical for sphingomyelin synthesis in the Golgi complex (PubMed:39106189). Interacts with OSBPL10 to function as lipid transfer proteins (PubMed:36853333). Together they form a heterodimer that localizes at the ER-trans-Golgi membrane contact sites, and exchanges phosphatidylserine (1,2-diacyl-sn-glycero-3-phospho-L-serine, PS) for phosphatidylinositol-4-phosphate (1,2-diacyl-sn-glycero-3-phospho-(1D-myo-inositol 4-phosphate), PI(4)P) between the two organelles, a step that is critical for sphingomyelin synthesis in the Golgi complex (PubMed:36853333).
Cellular Location	Late endosome membrane. Golgi apparatus, trans-Golgi network membrane. Endoplasmic reticulum-Golgi intermediate compartment membrane. Note=Localizes at the Golgi-late endosome interface.
Tissue Location	Widely expressed..

Background

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Images



Paraformaldehyde-fixed, paraffin embedded (Human kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (OSBPL9) Polyclonal Antibody, Unconjugated (AP56731) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.