

**OSBPL5 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP56728****Specification****OSBPL5 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	<a href="#">Q9H0X9</a>
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	99 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human OSBPL5
Epitope Specificity	51-150/879
Isotype	IgG
<b>Purity</b>	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
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 that play a key role in the maintenance of cholesterol balance in the body. Most members contain an N-terminal pleckstrin homology domain and a highly conserved C-terminal OSBP-like sterol-binding domain. This gene has been shown to be imprinted, with preferential expression from the maternal allele only in placenta. Transcript variants encoding different isoforms have been identified. [provided by RefSeq, Oct 2010]

**OSBPL5 Polyclonal Antibody - Additional Information****Gene ID** 114879**Other Names**

Oxysterol-binding protein-related protein 5, ORP-5, OSBP-related protein 5, Oxysterol-binding protein homolog 1, OSBPL5, KIAA1534, OBPH1 {ECO:0000303|PubMed:12504849}, ORP5

**Dilution**

IHC-P ~ ~ N/A  
IHC-F ~ ~ N/A  
IF ~ ~ 1:50 ~ 200  
ICC ~ ~ N/A

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**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.

**OSBPL5 Polyclonal Antibody - Protein Information**

**Name** OSBPL5

**Synonyms** KIAA1534, OBPH1 {ECO:0000303|PubMed:1250

**Function**

Lipid transporter involved in lipid countertransport between the endoplasmic reticulum and the plasma membrane: specifically exchanges phosphatidylserine with phosphatidylinositol 4-phosphate (PI4P), delivering phosphatidylserine to the plasma membrane in exchange for PI4P, which is degraded by the SAC1/SACM1L phosphatase in the endoplasmic reticulum. Binds phosphatidylserine and PI4P in a mutually exclusive manner (PubMed:<a href="http://www.uniprot.org/citations/23934110" target="\_blank">23934110</a>, PubMed:<a href="http://www.uniprot.org/citations/26206935" target="\_blank">26206935</a>). May cooperate with NPC1 to mediate the exit of cholesterol from endosomes/lysosomes (PubMed:<a href="http://www.uniprot.org/citations/21220512" target="\_blank">21220512</a>). Binds 25-hydroxycholesterol and cholesterol (PubMed:<a href="http://www.uniprot.org/citations/17428193" target="\_blank">17428193</a>).

**Cellular Location**

Endoplasmic reticulum membrane; Single-pass membrane protein. Note=Localizes to endoplasmic reticulum-plasma membrane contact sites (EPCS). Localizes to the cortical endoplasmic reticulum at the EPCS

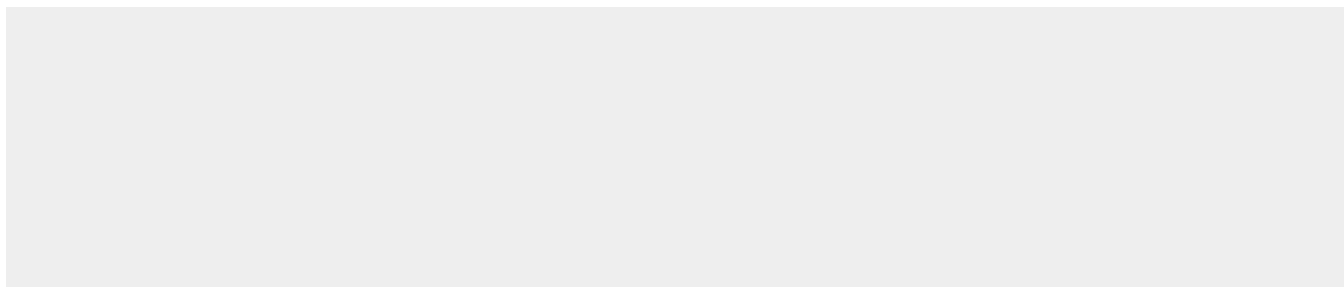
**Tissue Location**

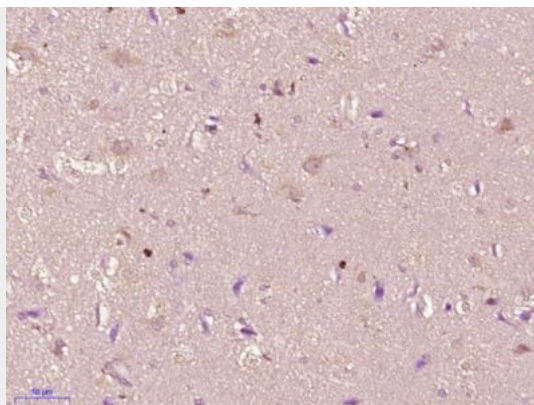
Ubiquitously expressed.

**OSBPL5 Polyclonal Antibody - Protocols**

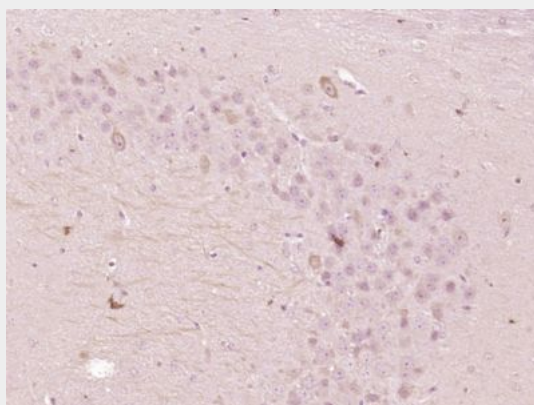
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**OSBPL5 Polyclonal Antibody - Images**



Paraformaldehyde-fixed, paraffin embedded (Human brain glioma); 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 (OSBPL5) Polyclonal Antibody, Unconjugated (bs-17519R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); 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 (OSBPL5) Polyclonal Antibody, Unconjugated (bs-17519R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.