

**ORP1 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP56724**

### Specification

#### ORP1 Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	<a href="#">Q9BXW6</a>
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	108 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ORP1
Epitope Specificity	851-950/950
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.
SUBCELLULAR LOCATION	Late endosome. Note=Colocalizes with RAB7A, RAB9A and LAMP1 in late endosomes.
SIMILARITY	Belongs to the OSBP family. Contains 3 ANK repeats. Contains 1 PH domain. Interacts with VAPA (By similarity). Interacts with the GTP-bound form of RAB7A. Interacts with OAS1B (By similarity).
SUBUNIT	
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. Transcript variants derived from alternative promoter usage and/or alternative splicing exist; they encode different isoforms. [provided by RefSeq, Jul 2008]

#### ORP1 Polyclonal Antibody - Additional Information

##### Gene ID 114876

##### Other Names

Oxysterol-binding protein-related protein 1, ORP-1, OSBP-related protein 1, OSBPL1A, ORP1, OSBP8, OSBPL1, OSBPL1B

**Dilution**

<span class ="dilution\_WB">WB~~1:1000</span><br /><span class ="dilution\_IHC-P">IHC-P~~N/A</span><br /><span class ="dilution\_IHC-F">IHC-F~~N/A</span><br /><span class ="dilution\_IF">IF~~1:50~200</span><br /><span class ="dilution\_ICC">ICC~~N/A</span><br /><span class ="dilution\_E">E~~N/A</span>

**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.

**ORP1 Polyclonal Antibody - Protein Information**

Name OSBPL1A ([HGNC:16398](#))

**Function**

Binds phospholipids; exhibits strong binding to phosphatidic acid and weak binding to phosphatidylinositol 3-phosphate (By similarity). Stabilizes GTP-bound RAB7A on late endosomes/lysosomes and alters functional properties of late endocytic compartments via its interaction with RAB7A (PubMed:<a href="http://www.uniprot.org/citations/16176980" target="\_blank">16176980</a>). Binds 25-hydroxycholesterol and cholesterol (PubMed:<a href="http://www.uniprot.org/citations/17428193" target="\_blank">17428193</a>).

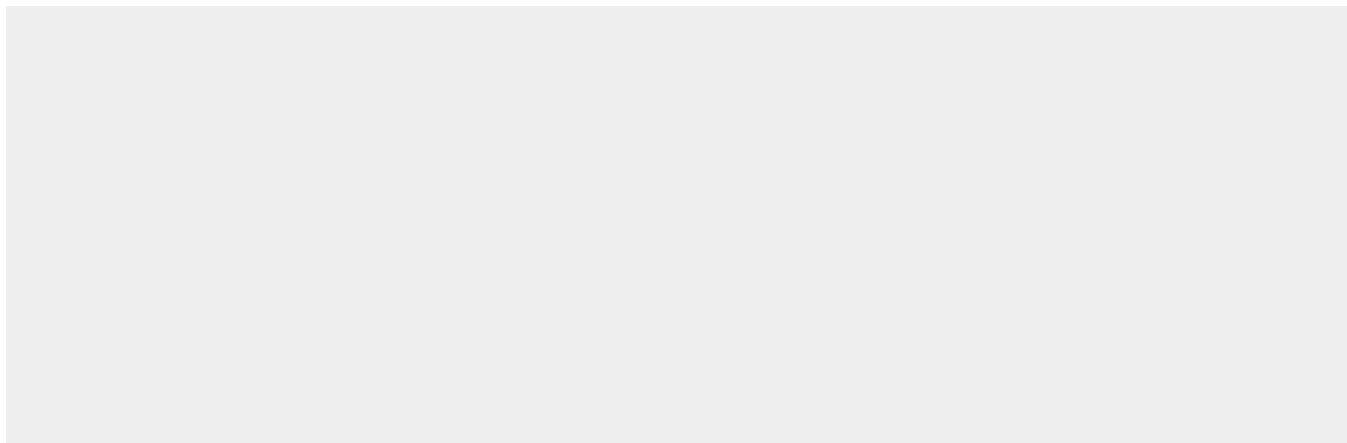
**Cellular Location**

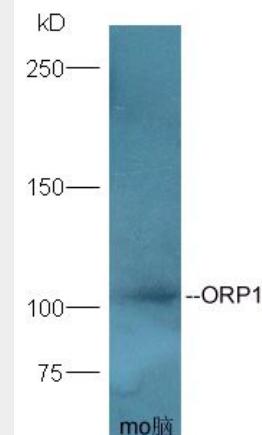
Late endosome. Note=Colocalizes with RAB7A, RAB9A and LAMP1 in late endosomes

**ORP1 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](#)

**ORP1 Polyclonal Antibody - Images**



Protein: brain(mouse) lystes at 40ug;

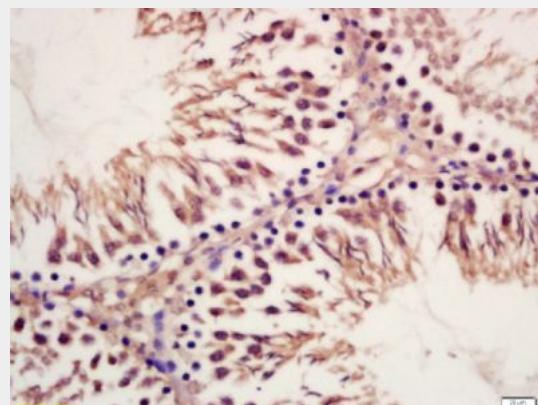
Primary: Anti-ORP1 (bs-17514R) at 1:300;

Secondary: HRP conjugated Goat-Anti-Rabbit IgG(bse-0295G-HRP) at 1: 5000;

ECL excitated the fluorescence;

Predicted band size :108 kD

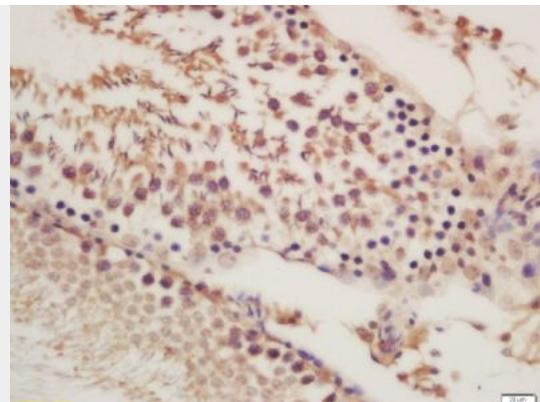
Observed band size :108 kD



Tissue/cell: Rat testis tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-HAVCR1 Polyclonal Antibody, Unconjugated(bs-17514R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



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