



Rabbit Anti-ORP1 antibody

SL17514R

Product Name:	ORP1
Chinese Name:	氧固醇Binding protein样1A抗体
Alias:	FLJ10217; ORP 1; ORP-1; ORP1; OSBL1_HUMAN; OSBP 8; OSBP L1; OSBP related protein 1; OSBP-related protein 1; OSBP8; OSBPL 1; OSBPL 1A; OSBPL 1B; OSBPL1; OSBPL1A; OSBPL1B; Oxysterol binding protein like 1A; Oxysterol binding protein like 1B; Oxysterol binding protein related protein 1; Oxysterol-binding protein-related protein 1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	108kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ORP1:851-950/950
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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]

Function:

Binds phospholipids; exhibits strong binding to phosphatidic acid and weak binding to phosphatidylinositol 3-phosphate.

Subunit:

Interacts with VAPA (By similarity). Interacts with the GTP-bound form of RAB7A. Interacts with OAS1B (By similarity).

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.

SWISS:

Q9BXW6

Gene ID:

114876

Database links:

[Entrez Gene: 114876](#) Human

[Entrez Gene: 616555](#) Cow

[Entrez Gene: 480761](#) Dog

[Entrez Gene: 64291](#) Mouse

[Entrez Gene: 259221](#) Rat

[Omim: 606730](#) Human

[SwissProt: Q9BXW6](#) Human

[SwissProt: Q91XL9](#) Mouse

[SwissProt: Q8K4M9](#) Rat

[Unigene: 370725](#) Human

[Unigene: 259470](#) Mouse

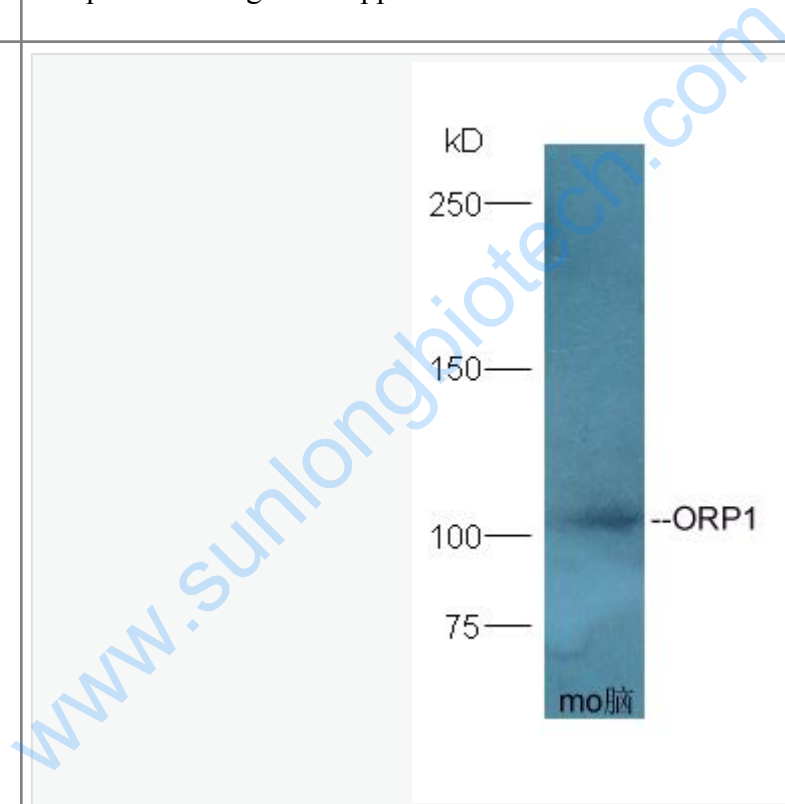
[Unigene: 443224](#) Mouse

[Unigene: 178664](#) Rat

Important Note:

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

Picture:



Protein: brain(mouse) lyses at 40ug;

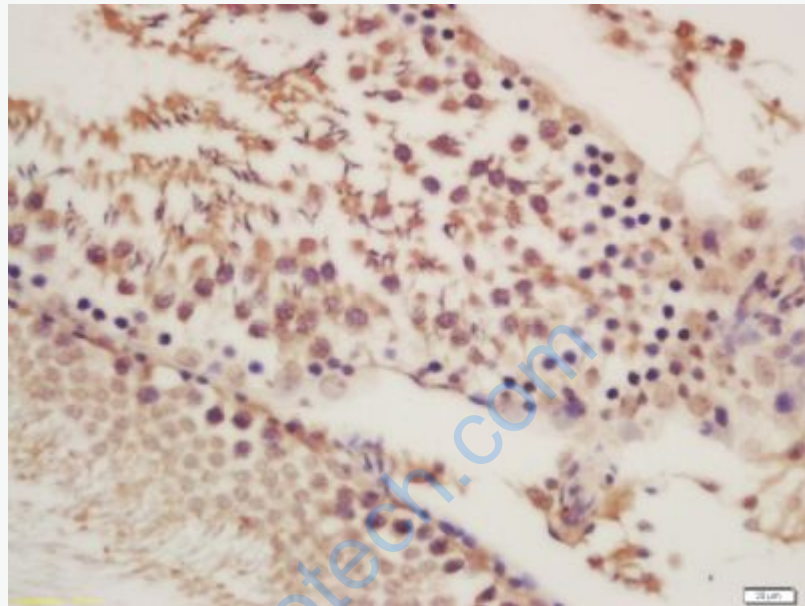
Primary: Anti-ORP1 (SL17514R) at 1:300;

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

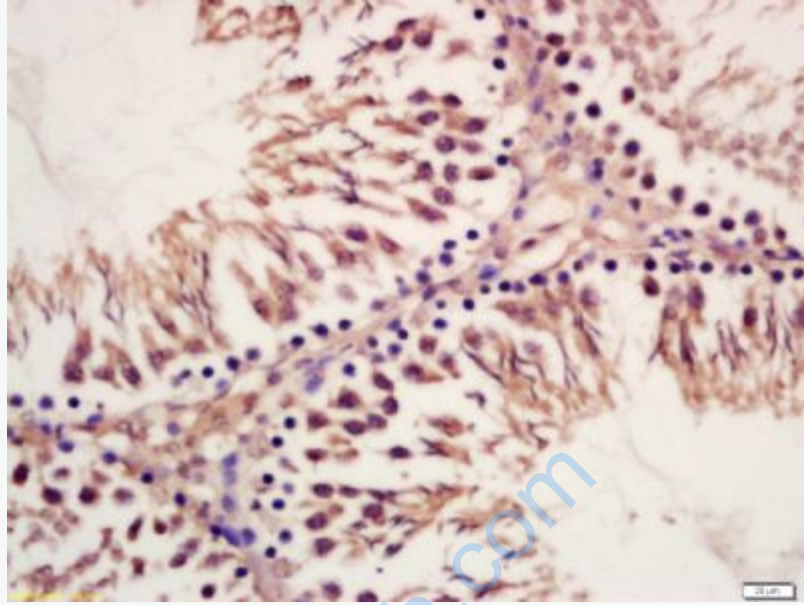
ECL excited the fluorescence;

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-ORP1 Polyclonal Antibody, Unconjugated(SL17514R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



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(SL17514R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining