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

ORP1 Rabbit pAb

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Catalog # AP56724

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9BXW6
Reactivity	Rat, Mouse
Predicted	Pig, Dog, Human, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	108470
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ORP1
Epitope Specificity	851-950/950
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	Late endosome. Note=Colocalizes with RAB7A, RAB9A and LAMP1 in late endosomes.
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]

Additional Information

Gene ID	114876
Other Names	Oxysterol-binding protein-related protein 1, ORP-1, OSBP-related protein 1, OSBPL1A (HGNC:16398)
Dilution	WB=1:500-2000,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.

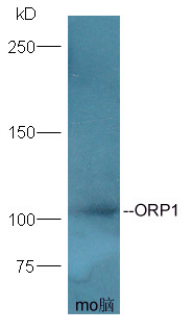
Protein Information

Name	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:16176980). Binds 25-hydroxycholesterol and cholesterol (PubMed:17428193).
Cellular Location	Late endosome. Note=Colocalizes with RAB7A, RAB9A and LAMP1 in late endosomes

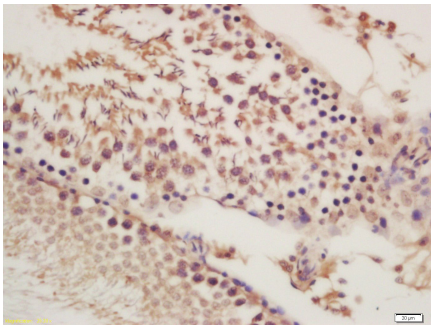
Background

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Images



Protein: brain(mouse) lystes at 40ug;
Primary: Anti-ORP1 (AP56724) 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℃ for 20 min;
Incubation: Anti-ORP1 Polyclonal Antibody, Unconjugated(AP56724) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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