

Goat Anti-ORP1 Antibody
Peptide-affinity purified goat antibody
Catalog # AF1758a

Specification

Goat Anti-ORP1 Antibody - Product Information

Application	WB, E
Primary Accession	Q9BXW6
Other Accession	NP_542164 , 114876 , 64291 (mouse) , 259221 (rat)
Reactivity	Human
Predicted	Mouse, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	108470

Goat Anti-ORP1 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

WB~~1:1000

E~~N/A

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-ORP1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-ORP1 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:16176980). Binds 25-hydroxycholesterol and cholesterol (PubMed:17428193).

Cellular Location

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

Goat Anti-ORP1 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](#)

Goat Anti-ORP1 Antibody - Images



AF1758a staining (0.5 µg/ml) of Human Muscle lysate (RIPA buffer, 35 µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

Goat Anti-ORP1 Antibody - Background

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.

Goat Anti-ORP1 Antibody - References

An integration of genome-wide association study and gene expression profiling to prioritize the discovery of novel susceptibility Loci for osteoporosis-related traits. Hsu YH, et al. PLoS Genet, 2010 Jun 10. PMID 20548944.

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.

Cholesterol sensor ORP1L contacts the ER protein VAP to control Rab7-RILP-p150 Glued and late endosome positioning. Rocha N, et al. J Cell Biol, 2009 Jun 29. PMID 19564404.

A genome-wide association study identifies protein quantitative trait loci (pQTLs). Melzer D, et al. PLoS Genet, 2008 May 9. PMID 18464913.

SNP-specific array-based allele-specific expression analysis. Bjornsson HT, et al. Genome Res, 2008 May. PMID 18369178.