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

# Goat Anti-OSBPL10 Antibody

**Peptide-affinity purified goat antibody**
**Catalog # AF1764a**

## Specification

### Goat Anti-OSBPL10 Antibody - Product Information

| | |
|---|---|
| Application | **WB** |
| Primary Accession | Q9BXB5 |
| Other Accession | NP_060254, 114884 |
| Reactivity | **Human** |
| Predicted | **Mouse, Rat, Dog** |
| Host | **Goat** |
| Clonality | **Polyclonal** |
| Concentration | **100ug/200ul** |
| Isotype | **IgG** |
| Calculated MW | **83970** |

### Goat Anti-OSBPL10 Antibody - Additional Information

**Gene ID** 114884

**Other Names**
Oxysterol-binding protein-related protein 10, ORP-10, OSBP-related protein 10, OSBPL10, ORP10, OSBP9

**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-OSBPL10 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

### Goat Anti-OSBPL10 Antibody - Protein Information

**Name** OSBPL10

**Synonyms** ORP10, OSBP9

**Function**
Probable lipid transporter involved in lipid countertransport between the endoplasmic reticulum and the plasma membrane. Its ability to bind phosphatidylserine, suggests that it specifically exchanges phosphatidylserine with phosphatidylinositol 4-phosphate (PI4P), delivering

phosphatidylserine to the plasma membrane in exchange for PI4P (PubMed:<a href="http://www.uniprot.org/citations/23934110" target="_blank">23934110</a>) (Probable). Plays a role in negative regulation of lipid biosynthesis (PubMed:<a href="http://www.uniprot.org/citations/19554302" target="_blank">19554302</a>). Negatively regulates APOB secretion from hepatocytes (PubMed:<a href="http://www.uniprot.org/citations/19554302" target="_blank">19554302</a>, PubMed:<a href="http://www.uniprot.org/citations/22906437" target="_blank">22906437</a>). Binds cholesterol and acidic phospholipids (PubMed:<a href="http://www.uniprot.org/citations/22906437" target="_blank">22906437</a>). Also binds 25- hydroxycholesterol (PubMed:<a href="http://www.uniprot.org/citations/17428193" target="_blank">17428193</a>). Binds phosphatidylserine (PubMed:<a href="http://www.uniprot.org/citations/23934110" target="_blank">23934110</a>).

**Cellular Location**
Cytoplasm, cytoskeleton Note=Associates with microtubules.

## Goat Anti-OSBPL10 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 Cytomety
- Cell Culture

## Goat Anti-OSBPL10 Antibody - Images




AF1764a (1 µg/ml) staining of human duodenum lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

## Goat Anti-OSBPL10 Antibody - Background

This gene encodes a member of the oxysterol-binding protein (OSBP) family, a group of intracellular lipid receptors. Like most members, the encoded protein contains an N-terminal

pleckstrin homology domain and a highly conserved C-terminal OSBP-like sterol-binding domain. Multiple transcript variants encoding different isoforms have been found for this gene.

**Goat Anti-OSBPL10 Antibody - References**

Identification of Evidence Suggestive of an Association with Peripheral Arterial Disease at the OSBPL10 Locus by Genome-Wide Investigation in the Japanese Population. Koriyama H, et al. J Atheroscler Thromb, 2010 Jul 2. PMID 20610895.
Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.
Variation in OSBPL10 is associated with dyslipidemia. Koriyama H, et al. Hypertens Res, 2010 May. PMID 20224571.
Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. Cell, 2009 Jul 23. PMID 19615732.
OSBPL10, a novel candidate gene for high triglyceride trait in dyslipidemic Finnish subjects, regulates cellular lipid metabolism. Perttil J, et al. J Mol Med, 2009 Aug. PMID 19554302.