

OSBPL1A Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP16819b**Specification**

OSBPL1A Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q9BXW6](#)**OSBPL1A Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 114876**Other Names**

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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

OSBPL1A Antibody (C-term) Blocking Peptide - 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

OSBPL1A Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

OSBPL1A Antibody (C-term) Blocking Peptide - Images**OSBPL1A Antibody (C-term) Blocking Peptide - Background**

This gene encodes a member of the oxysterol-bindingprotein (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.

OSBPL1A Antibody (C-term) Blocking Peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Hsu, Y.H., et al. PLoS Genet. 6 (6), E1000977 (2010) :Rocha, N., et al. J. Cell Biol. 185(7):1209-1225(2009) Melzer, D., et al. PLoS Genet. 4 (5), E1000072 (2008) :Bjornsson, H.T., et al. Genome Res. 18(5):771-779(2008)