

OSBPL11 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18544A**Specification**

OSBPL11 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	Q9BXB4
Other Accession	Q8CI95 , NP_073613.2
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	83643
Antigen Region	76-102

OSBPL11 Antibody (N-term) - Additional Information**Gene ID** 114885**Other Names**

Oxysterol-binding protein-related protein 11, ORP-11, OSBP-related protein 11, OSBPL11, ORP11, OSBP12

Target/Specificity

This OSBPL11 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 76-102 amino acids from the N-terminal region of human OSBPL11.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

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

Precautions

OSBPL11 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

OSBPL11 Antibody (N-term) - Protein Information**Name** OSBPL11

Synonyms ORP11, OSBP12

Function Plays a role in regulating ADIPOQ and FABP4 levels in differentiating adipocytes and is also involved in regulation of adipocyte triglyceride storage (PubMed:[23028956](#)). Weakly binds 25-hydroxycholesterol (PubMed:[17428193](#)). Interacts with OSBP19 to function as lipid transfer proteins (PubMed:[39106189](#)). Together they form a heterodimer that localizes at the ER-trans-Golgi membrane contact sites, and exchanges phosphatidylserine (1,2-diacyl-sn-glycero-3- phospho-L-serine, PS) for phosphatidylinositol-4-phosphate (1,2-diacyl-sn-glycero-3-phospho-(1D-myo-inositol 4-phosphate), PI(4)P) between the two organelles, a step that is critical for sphingomyelin synthesis in the Golgi complex (PubMed:[39106189](#)).

Cellular Location

Late endosome membrane. Golgi apparatus, trans-Golgi network membrane. Note=Localizes at the Golgi- late endosome interface

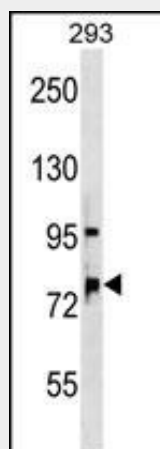
Tissue Location

Present at highest levels in ovary, testis, kidney, liver, stomach, brain, and adipose tissue. Strong expression (at protein level) in epithelial cells of kidney tubules, testicular tubules, caecum, and skin (PubMed:20599956). Present at low levels in subcutaneous and visceral adipose tissue (at protein level) (PubMed:23028956).

OSBPL11 Antibody (N-term) - 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](#)

OSBPL11 Antibody (N-term) - Images

OSBPL11 Antibody (N-term) (Cat. #AP18544a) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the OSBPL11 antibody detected the OSBPL11 protein (arrow).

OSBPL11 Antibody (N-term) - 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.

OSBPL11 Antibody (N-term) - References

Zhou, Y., et al. Exp. Cell Res. 316(19):3304-3316(2010)
Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)
Bouchard, L., et al. Obesity (Silver Spring) 17(7):1466-1472(2009)
Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)