

MOSPD2 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP13323a**Specification**

MOSPD2 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q8NHP6](#)**MOSPD2 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 158747**Other Names**

Motile sperm domain-containing protein 2, MOSPD2

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13323a was selected from the N-term region of MOSPD2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

MOSPD2 Antibody (N-term) Blocking peptide - Protein Information**Name** MOSPD2 ([HGNC:28381](#))**Function**

Endoplasmic reticulum-anchored protein that mediates the formation of contact sites between the endoplasmic (ER) and endosomes, mitochondria or Golgi through interaction with conventional- and phosphorylated-FFAT-containing organelle-bound proteins (PubMed:29858488, PubMed:35389430, PubMed:33124732). In addition, forms endoplasmic reticulum (ER)-lipid droplets (LDs) contacts through a direct protein-membrane interaction and participates in LDs homeostasis (PubMed:35389430). The attachment mechanism involves an amphipathic helix that has an affinity for lipid packing defects present at the surface of LDs (PubMed:35389430). Promotes migration of primary monocytes and neutrophils, in response to various chemokines (PubMed:28137892).

target="_blank">28137892).

Cellular Location

Endoplasmic reticulum membrane; Single-pass type IV membrane protein. Note=Localization to contact sites involving the endoplasmic reticulum and several organelles is regulated by interaction with proteins containing FFAT motif (PubMed:29858488) Dynamically distributes between specific subdomains of the endoplasmic reticulum (ER): ER membranes in contact with lipid droplets (LDs) and the remainder of the ER (PubMed:35389430)

Tissue Location

Highly expressed in CD14(+) monocytes, and at lower levels in neutrophils. Does not show significant expression in B-cells or T-cells.

MOSPD2 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

MOSPD2 Antibody (N-term) Blocking peptide - Images**MOSPD2 Antibody (N-term) Blocking peptide - Background**

The specific function of this protein remains unknown.

MOSPD2 Antibody (N-term) Blocking peptide - References

Olsen, J.V., et al. Cell 127(3):635-648(2006)Olsen, J.V., et al. Cell 127(3):635-648(2006)