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

Specification

MOSPD2 Antibody (N-term) Blocking peptide - Product Information

Primary 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:<a href="http://www.uniprot.org/citations/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)