

MOSPD2 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13323a

Specification

MOSPD2 Antibody (N-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	Q8NHP6
Other Accession	NP_001170946.1 , NP_689794.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	59746
Antigen Region	11-40

MOSPD2 Antibody (N-term) - Additional Information

Gene ID 158747

Other Names

Motile sperm domain-containing protein 2, MOSPD2

Target/Specificity

This MOSPD2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 11-40 amino acids from the N-terminal region of human MOSPD2.

Dilution

WB~~1:1000

IHC-P~~1:10~50

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

MOSPD2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MOSPD2 Antibody (N-term) - 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](#)).

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

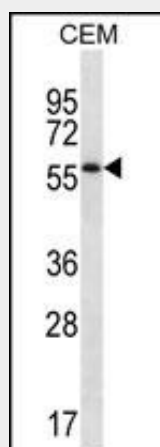
Highly expressed in CD14(+) monocytes, and at lower levels in neutrophils. Does not show significant expression in B-cells or T-cells.

MOSPD2 Antibody (N-term) - Protocols

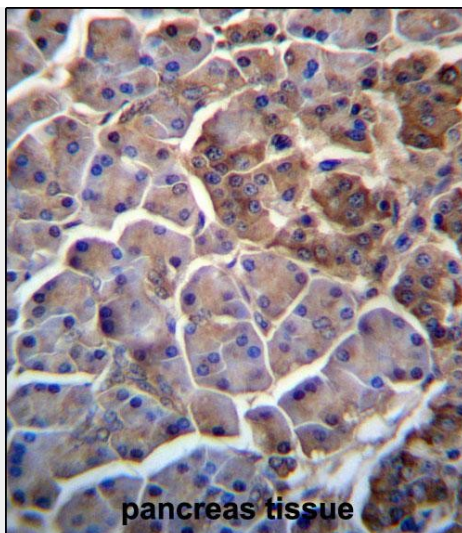
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MOSPD2 Antibody (N-term) - Images



MOSPD2 Antibody (N-term) (Cat. #AP13323a) western blot analysis in CEM cell line lysates (35ug/lane). This demonstrates the MOSPD2 antibody detected the MOSPD2 protein (arrow).



MOSPD2 Antibody (N-term) (Cat. #AP13323a) immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of MOSPD2 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

MOSPD2 Antibody (N-term) - Background

The specific function of this protein remains unknown.

MOSPD2 Antibody (N-term) - References

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

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