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MOSPD2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13323a

Product Information

Application	WB, IHC-P, E
Primary Accession	Q8NHP6
Other Accession	NP_001170946.1, NP_689794.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB33344
Calculated MW	59746
Antigen Region	11-40

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~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
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.

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:33124732, PubMed:35389430). 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.

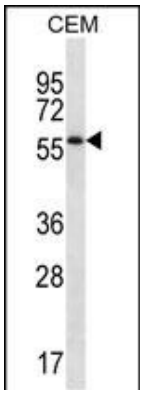
Background

The specific function of this protein remains unknown.

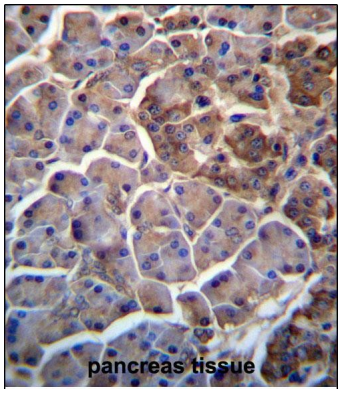
References

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.