

## Rabbit anti-Human MOSPD2 Polyclonal Antibody | anti-MOSPD2 antibody

MOSPD2 Antibody (N-term)

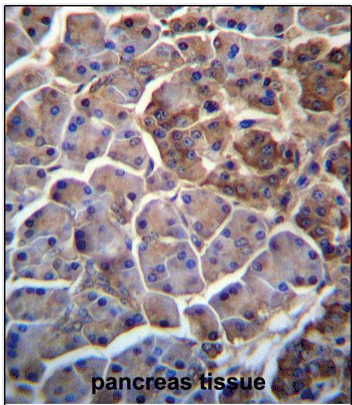
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                              |
|-----------|--------|------------|-------------------------------------------|
| AAA287014 | Rabbit | Human      | Immunohistochemistry, ELISA, Western Blot |

### PRODUCT SYNONYMS

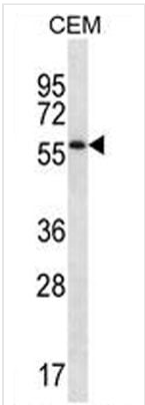
MOSPD2; Polyclonal Antibody; MOSPD2 Antibody (N-term); Motile sperm domain-containing protein 2; anti-MOSPD2 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                                                                                                                                                                                                  |
| Reactivity                                       | Human                                                                                                                                                                                                                                                                                                                                                                   |
| Clonality                                        | Polyclonal                                                                                                                                                                                                                                                                                                                                                              |
| Isotype                                          | Rabbit Ig                                                                                                                                                                                                                                                                                                                                                               |
| 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.                                                                                                                                                                                                  |
| Purity/Purification                              | This antibody is purified through a protein A column, followed by peptide affinity purification.                                                                                                                                                                                                                                                                        |
| Form/Format                                      | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.                                                                                                                                                                                                                                                                                             |
| Sequence Positions                               | 11-40                                                                                                                                                                                                                                                                                                                                                                   |
| Sequence Length                                  | 455                                                                                                                                                                                                                                                                                                                                                                     |
| Applicable Applications for anti-MOSPD2 antibody | IHC (Immunohistochemistry), ELISA, WB (Western Blot)                                                                                                                                                                                                                                                                                                                    |
| Function                                         | Endoplasmic reticulum-anchored receptor which modulates interorganelle contacts by interacting with other organelle-bound proteins via their FFAT motif (PubMed: ). Might have a more important role in endoplasmic reticulum and endosomes contacts (PubMed: ). Promotes migration of primary monocytes and neutrophils, in response to various chemokines (PubMed: ). |
| 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.                                                                                                                                     |
| Tissue Location                                  | Highly expressed in CD14(+) monocytes, and at lower levels in neutrophils. Does not show significant expression in B-cells or T-cells.                                                                                                                                                                                                                                  |
| Preparation and 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.                                                                                                                                                                                                                                 |



**IHC (Immunohistochemistry)**  
MOSPD2 Antibody (N-term) (AAA287014) 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.



**WB (Western Blot)**  
MOSPD2 Antibody (N-term) (AAA287014) western blot analysis in CEM cell line lysates (35ug/lane). This demonstrates the MOSPD2 antibody detected the MOSPD2 protein (arrow).

ADDITIONAL INFORMATION

|                                                      |                                                                                                |
|------------------------------------------------------|------------------------------------------------------------------------------------------------|
| Related Product Information for anti-MOSPD2 antibody | The specific function of this protein remains unknown.                                         |
| References                                           | Olsen, J.V., et al. Cell 127(3):635-648(2006)<br>Olsen, J.V., et al. Cell 127(3):635-648(2006) |

NCBI AND UNIPROT INFORMATION

|                                  |                                                    |
|----------------------------------|----------------------------------------------------|
| NCBI GI #                        | 294489346                                          |
| NCBI GeneID                      | 158747                                             |
| NCBI Accession #                 | NP_001170946.1; NP_689794.1                        |
| NCBI GenBank Nucleotide #        | NM_001177475.1                                     |
| UniProt Accession #              | Q8NHP6; Q8N3H2; Q8NA83                             |
| Molecular Weight                 | Calculated MW: 59746                               |
| NCBI Official Full Name          | motile sperm domain-containing protein 2 isoform 2 |
| NCBI Official Synonym Full Names | motile sperm domain containing 2                   |
| NCBI Official Symbol             | MOSPD2                                             |
| NCBI Protein Information         | motile sperm domain-containing protein 2           |
| UniProt Protein Name             | Motile sperm domain-containing protein 2           |
| UniProt Gene Name                | MOSPD2                                             |
| UniProt Entry Name               | MSPD2_HUMAN                                        |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.