

MOSPD1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56810

Specification

MOSPD1 Polyclonal Antibody - Product Information

Application IHC-P, IHC-F, IF, ICC

Primary Accession <u>O9UJG1</u>

Reactivity
Host
Clonality
Calculated MW
Physical State

Rat, Pig, Cat, Dog, Bovine
Rabbit
Polyclonal
24 KDa
Liquid

Immunogen KLH conjugated synthetic peptide derived

from human MOSPD1

Epitope Specificity 51-150/213

Isotype IgG
Purity

affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Membrane.

SIMILARITY Contains 1 MSP domain.

Important Note

This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

Background Descriptions

MOSPD1 is a 213 amino acid multi-pass membrane protein that contains one MSP domain and exists as three alternatively spliced isoforms. The gene encoding MOSPD1 maps to human chromosome Xq26.3. The X and Y chromosomes are the human sex chromosomes. Chromosome X consists of about 153 million base pairs and nearly 1,000 genes. The combination of an X and Y chromosome lead to normal male development while two copies of X lead to normal female development. There are a number of conditions related to an unusual number and combination of sex chromosomes being inherited, including Turner's syndrome, Klinefelter's syndrome and Triple X syndrome. Color blindness, hemophilia, and Duchenne muscular dystrophy are well known X chromosome-linked conditions which affect males more frequently as males carry a single X chromosome

MOSPD1 Polyclonal Antibody - Additional Information

Gene ID 56180

Other Names

Motile sperm domain-containing protein 1, MOSPD1

Dilution

IHC-P \sim N/A<br\>IHC-F \sim N/A<br\><span class</pre>



Tel: 858.875.1900 Fax: 858.875.1999

="dilution IF">IF \sim 1:50 \sim 200
span class ="dilution ICC">ICC \sim N/A

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

MOSPD1 Polyclonal Antibody - Protein Information

Name MOSPD1

Function

Plays a role in differentiation and/or proliferation of mesenchymal stem cells. Proposed to be involved in epithelial-to- mesenchymal transition (EMT). However, another study suggests that it is not required for EMT or stem cell self-renewal and acts during later stages of differentiation.

Cellular Location

Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q8VEL0}; Multi-pass membrane protein. Golgi apparatus membrane {ECO:0000250|UniProtKB:Q8VEL0}; Multi-pass membrane protein

MOSPD1 Polyclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MOSPD1 Polyclonal Antibody - Images