

Datasheet for 600-401-CV2**MOSPD1 Antibody****Overview**

Description:	Anti-MOSPD1 (RABBIT) Antibody - 600-401-CV2
Item No.:	600-401-CV2
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The Motile sperm domain-containing protein 1 (MOSPD1) is part of a family of proteins defined by the presence of a major sperm protein (MSP) domain and two transmembrane domains. MOSPD1 codes for a small protein that localizes to the endoplasmic reticulum (ER) and the Golgi apparatus and has been suggested to play a role in the developmental regulation at the switch between mesenchymal and epithelial cells.
Synonyms:	MOSPD1 Antibody, DJ473B4, Motile sperm domain-containing protein 1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	MOSPD1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-MOSPD1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid peptide near the internal region of human MOSPD1.
Purity/Specificity:	Anti-MOSPD1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with MOSPD1 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q9UJG1

- [GeneID - 56180](#)
- [NCBI - NP_062456](#)

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-MOSPD1 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 24 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
IF:	User Optimized
IHC:	User Optimized
WB:	1 µg/mL

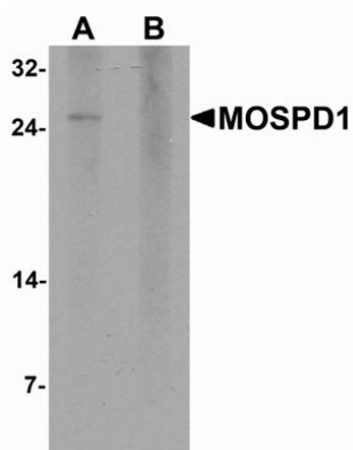
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images

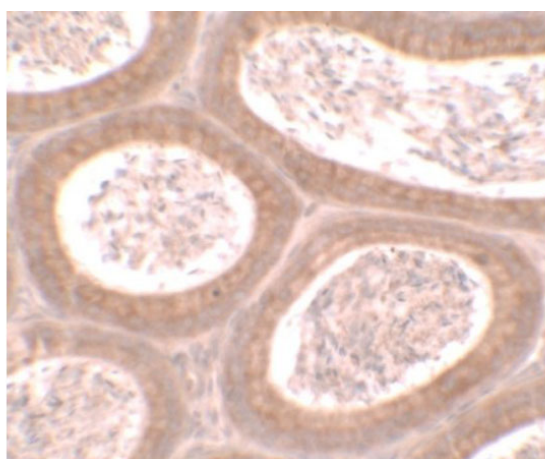


Western Blot

Western blot analysis of MOSPD1.

Load: human brain tissue lysate.

Primary Antibody: MOSPD1 antibody at 1 $\mu\text{g/mL}$ in (A) the absence and (B) the presence of blocking peptide.

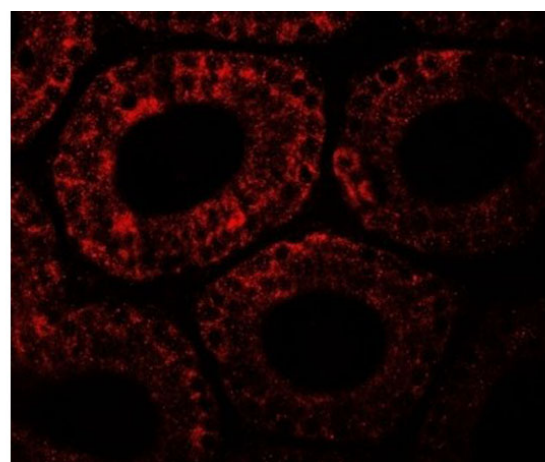


Immunohistochemistry

Immunohistochemistry of MOSPD1.

Tissue: mouse testis tissue.

Primary Antibody: MOSPD1 antibody at 2.5 $\mu\text{g/mL}$.



Immunofluorescence Microscopy

Immunofluorescence of MOSPD1.

Tissue: mouse testis tissue.

Primary Antibody: MOSPD1 antibody at 20 $\mu\text{g/mL}$.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.