

Datasheet for 600-401-CU0**MFSD1 Antibody****Overview**

Description:	Anti-MFSD1 (RABBIT) Antibody - 600-401-CU0
Item No.:	600-401-CU0
Size:	100 µg
Applications:	ELISA, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Multidrug transporters, such as MFSD1, are membrane proteins that expel a wide spectrum of cytotoxic compounds from the cell and render cells resistant to multiple drugs. The Major Facilitator Superfamily (MFS) is a large and diverse group of secondary transporters that include uniporters, symporters, and antiporters. Members of this family are found in all living organisms and are highly represented in bacteria. MFS members are capable of transporting various substrates such as sugars, polyols, drugs, neurotransmitters, amino acids, peptides, and inorganic anions, although most members are substrate-specific. MFS have provided important insight into the mechanism underlying multidrug transport. MFSD1 is still poorly understood.
Synonyms:	MFSD1 Antibody, SMAP4, SMAP4, UG0581B09, Major facilitator superfamily domain-containing protein 1, Smooth muscle cell-associated protein 4, SMAP-4
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	MFSD1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-MFSD1 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid synthetic peptide near the internal region of human MFSD1.
Purity/Specificity:	Anti-MFSD1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with MFSD1 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q9H3U5 • GeneID - 64747 • NCBI - NP_073573

Application Details

Tested Applications:	ELISA, IHC, WB
Application Note:	Anti-MFSD1 Antibody has been tested for use in ELISA, Western Blotting, and Immunohistochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 51 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 - 1:20,000
IHC:	10 µg/mL
WB:	1-2 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

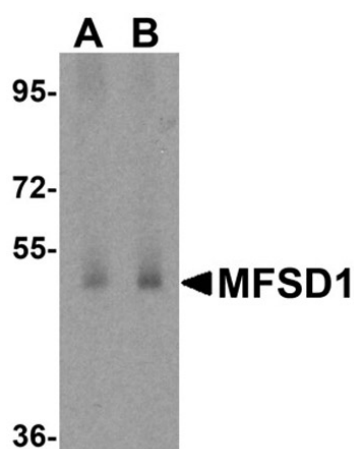
Shipping & Handling

Shipping Condition:	Dry Ice
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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

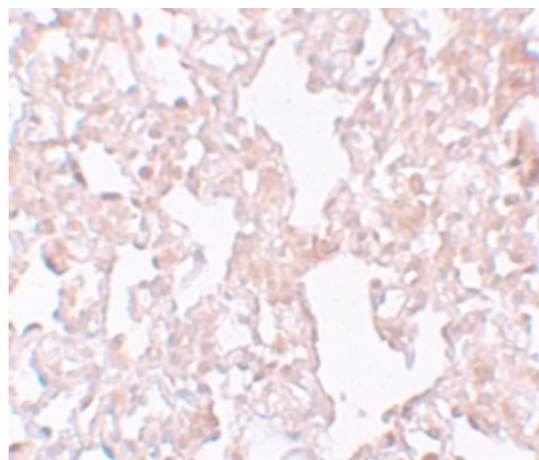


Western Blot

Western blot analysis of MFSD1.

Load: human testis tissue lysate.

Primary Antibody: Anti-MFSD1 antibody at (A) 1µg/mL and (B) 2µg/mL.



Immunohistochemistry

Immunohistochemistry of MFSD1.

Tissue: rat lung tissue.

Primary Antibody: Anti-MFSD1 antibody at 10 µg/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.