

Datasheet for 600-401-CU2**MFSD2B Antibody****Overview**

Description:	Anti-MFSD2B (RABBIT) Antibody - 600-401-CU2
Item No.:	600-401-CU2
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human, Rat
Host Species:	Rabbit

Product Details

Background:	Multidrug transporters, such as MFSD2B, are membrane proteins that expel a wide spectrum of cytotoxic compounds from the cell and render cells resistant to multiple drugs. Major Facilitator Superfamily (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. MFSD2B is closely related to MFSD2A, which is expressed in many tissues and is highly induced in liver and brown adipose tissue (BAT) during fasting, playing a major role in the induction of MFSD2A expression during adaptive thermogenesis. Unlike MFSD2A, MFSD2B is expressed in few tissues and at relatively low levels, and is not induced during fasting, suggesting that MFSD2B may play other roles.
Synonyms:	MFSD2B Antibody, Major facilitator superfamily domain-containing protein 2B
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	MFSD2B
Reactivity:	Human, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-MFSD2B antibody was prepared from whole rabbit serum produced by repeated immunizations with a 15 amino acid synthetic peptide near the internal region of human MFSD2B.
Purity/Specificity:	Anti-MFSD2B Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with MFSD2B from other sources has not been determined.
Relevant Links:	• UniProtKB - A6NFX1 • GeneID - 388931 • NCBI - NP_001073942

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-MFSD2B Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 53 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
WB:	1-2 µg/mL

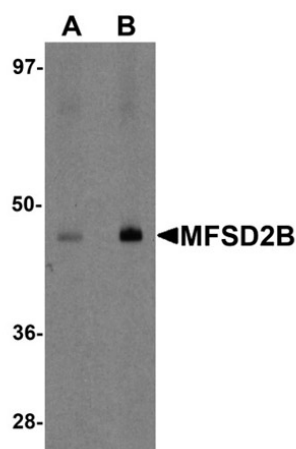
Formulation

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:	Wet Ice
Storage Condition:	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western blot analysis of MFSD2B.

Load: rat lung tissue lysate.

Primary Antibody: Anti-MFSD2B antibody at (A) 1 µg/mL and (B) 2 µg/mL.

Disclaimer

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