

For Research Use Only

# MFSD2 Polyclonal antibody

Catalog Number: 25498-1-AP

3 Publications



## Basic Information

### Catalog Number:

25498-1-AP

### Size:

150ul, Concentration: 900 µg/ml by Nanodrop and 400 µg/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG22232

### GenBank Accession Number:

BC092414

### GeneID (NCBI):

84879

### UNIPROT ID:

Q8NA29

### Full Name:

major facilitator superfamily domain containing 2

### Calculated MW:

543 aa, 60 kDa

### Observed MW:

62 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, mouse

### Cited Species:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : HepG2 cells,

IHC : human placenta tissue, human testis tissue, mouse brain tissue

## Background Information

MFSD2, also named as MFSD2A, belongs to a large family of presumptive carbohydrate transporters with 10-12 membrane-spanning domains, is located at chromosomal position 1p34.2, and is conserved in evolution. It plays a role in thermogenesis via beta-adrenergic signaling pathway. It may be the main plasma membrane tunicamycin transporter. MFSD2 has three isoforms with MW 50 kDa and 59-60 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Jorge L Jimenez-Macias	40009687	Sci Adv	WB
Jorge L Jimenez-Macias	39253453	bioRxiv	WB
Yuan Xie	36591963	Neuro Oncol	WB,IHC,IF

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

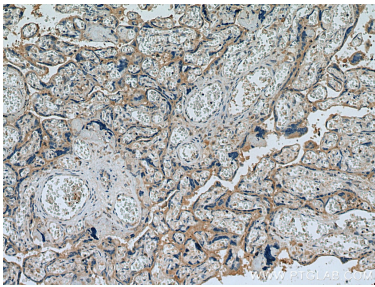
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

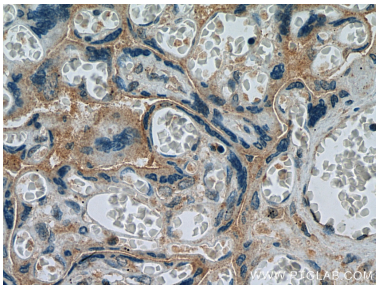
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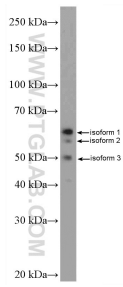
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 25498-1-AP (MFSD2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 25498-1-AP (MFSD2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



HepG2 cells were subjected to SDS PAGE followed by western blot with 25498-1-AP (MFSD2 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.