

For Research Use Only

# MFSD2 Polyclonal antibody

Catalog Number: 25498-1-AP **1 Publications**



## Basic Information

<b>Catalog Number:</b> 25498-1-AP	<b>GenBank Accession Number:</b> BC092414	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 900 µg/ml	<b>GeneID (NCBI):</b> 84879	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8NA29	
<b>Isotype:</b> IgG	<b>Full Name:</b> major facilitator superfamily domain containing 2	
<b>Immunogen Catalog Number:</b> AG22232	<b>Calculated MW:</b> 543 aa, 60 kDa	
	<b>Observed MW:</b> 62 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b> WB : HepG2 cells, IHC : human placenta tissue, human testis tissue, mouse brain tissue
<b>Cited Applications:</b> WB, IHC, IF	
<b>Species Specificity:</b> human, mouse	
<b>Cited Species:</b> mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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
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 pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

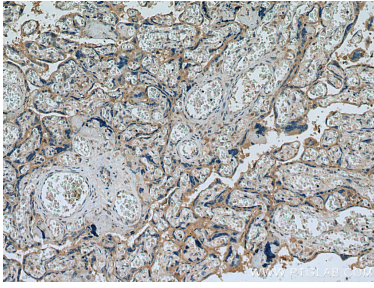
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

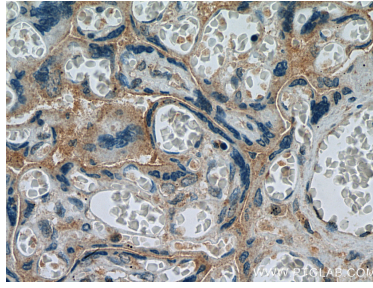
W: [ptgcn.com](http://ptgcn.com)

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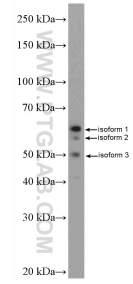
## Selected Validation Data



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.