

For Research Use Only

# MFSD2 Monoclonal antibody

Catalog Number: 67965-1-Ig **1 Publications**



## Basic Information

|  |  |   |
|--|--|---|
| <b>Catalog Number:</b><br>67965-1-Ig                           | <b>GenBank Accession Number:</b><br>BC092414                           | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>150ul , Concentration: 1000 ug/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>84879   | <b>CloneNo.:</b><br>2D2B4                             |
| <b>Source:</b><br>Mouse  | <b>UNIPROT ID:</b><br>Q8NA29   | <b>Recommended Dilutions:</b><br>WB 1:5000-1:50000    |
| <b>Isotype:</b><br>IgG2a                                       | <b>Full Name:</b><br>major facilitator superfamily domain containing 2 |   |
| <b>Immunogen Catalog Number:</b><br>AG31028                    | <b>Calculated MW:</b><br>543 aa, 60 kDa                                |   |
|  | <b>Observed MW:</b><br>60 kDa  |   |

## Applications

|   |  |
|---|--|
| <b>Tested Applications:</b><br>WB, ELISA    | <b>Positive Controls:</b><br>WB : human placenta tissue, human testis tissue |
| <b>Cited Applications:</b><br>WB            |  |
| <b>Species Specificity:</b><br>human, mouse |  |
| <b>Cited Species:</b><br>mouse              |  |

## 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 |
|----------|-----------|-----------|-------------|
| Teng Wei | 39232272  | Food Chem | WB          |

## Storage

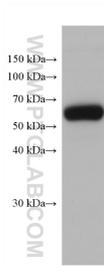
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

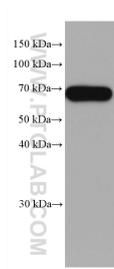
## Selected Validation Data



human testis tissue were subjected to SDS PAGE followed by western blot with 67965-1-Ig (MFSD2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



human placenta tissue were subjected to SDS PAGE followed by western blot with 67965-1-Ig (MFSD2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



human testis tissue were subjected to SDS PAGE followed by western blot with 67965-1-Ig (MFSD2 antibody) at dilution of 1:5200 incubated at room temperature for 1.5 hours.