

Datasheet for ABIN762026
anti-MFSD2A antibody (AA 331-430)

5 Images

2 Publications

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Overview

| | |
|----------------------|---|
| Quantity: | 100 µL |
| Target: | MFSD2A |
| Binding Specificity: | AA 331-430 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This MFSD2A antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

Product Details

| | |
|-----------------------|--|
| Immunogen: | KLH conjugated synthetic peptide derived from human MFSD2A |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Predicted Reactivity: | Dog,Cow,Pig,Horse,Chicken,Rabbit |
| Purification: | Purified by Protein A. |

Target Details

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|---------|--------|
| Target: | MFSD2A |
|---------|--------|

Target Details

| | |
|-------------------|---|
| Alternative Name: | Mfsd2a (MFSD2A Products) |
| Background: | <p>Synonyms: NLS1, MFSD2, Sodium-dependent lysophosphatidylcholine symporter 1, Sodium-dependent LPC symporter 1, Major facilitator superfamily domain-containing protein 2A, MFSD2A, HMFN0656, PP9177, UNQ300/PRO341</p> <p>Background: Sodium-dependent lysophosphatidylcholine (LPC) symporter, which plays an essential role for blood-brain barrier formation and function. Specifically expressed in endothelium of the blood-brain barrier of micro-vessels and transports LPC into the brain. Transport of LPC is essential because it constitutes the major mechanism by which docosahexaenoic acid (DHA), an omega-3 fatty acid that is essential for normal brain growth and cognitive function, enters the brain. Transports LPC carrying long-chain fatty acids such LPC oleate and LPC palmitate with a minimum acyl chain length of 14 carbons. Does not transport docosahexaenoic acid in unesterified fatty acid. Specifically required for blood-brain barrier formation and function, probably by mediating lipid transport. Not required for central nervous system vascular morphogenesis (By similarity). Acts as a transporter for tunicamycin, an inhibitor of asparagine-linked glycosylation. In placenta, acts as a receptor for ERVFRD-1/syncytin-2 and is required for trophoblast fusion (PubMed:18988732).</p> |
| Gene ID: | 84879 |
| UniProt: | Q8NA29 |

Application Details

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| Application Notes: | WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 |
| Restrictions: | For Research Use only |

Handling

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|----------------|---------|
| Format: | Liquid |
| Concentration: | 1 µg/µL |

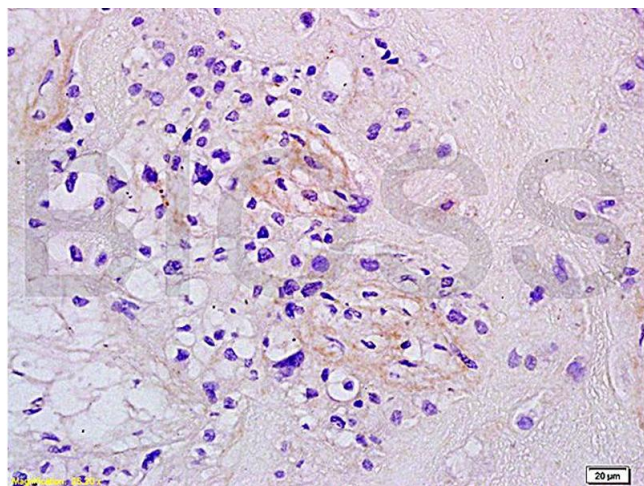
Handling

| | |
|--------------------|--|
| Buffer: | 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol. |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage: | 4 °C, -20 °C |
| Storage Comment: | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. |
| Expiry Date: | 12 months |

Publications

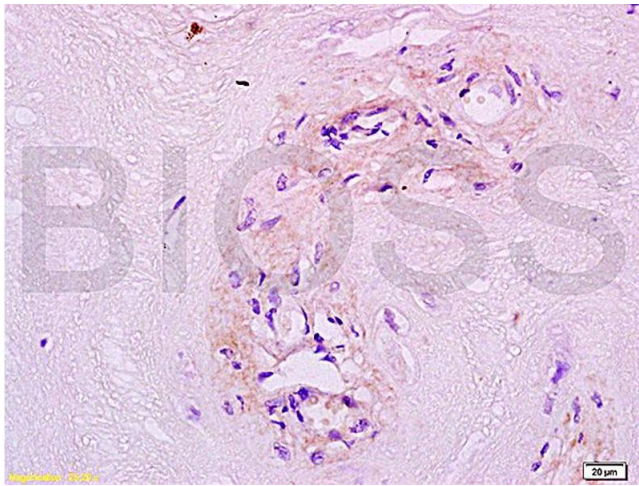
| | |
|-------------------|--|
| Product cited in: | Díaz-Carballo, Klein, Acikelli, Wilk, Saka, Jastrow, Wennemuth, Dammann, Giger-Pabst, Khosrawipour, Rassow, Nienen, Strumberg: "Cytotoxic stress induces transfer of mitochondria-associated human endogenous retroviral RNA and proteins between cancer cells." in: Oncotarget , Vol. 8, Issue 56, pp. 95945-95964, (2017) (PubMed). |
|-------------------|--|

Images



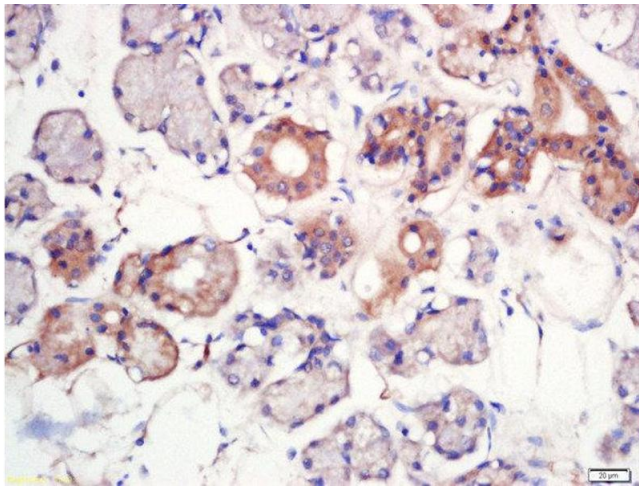
Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded human placenta tissue labeled with Anti MFSD2A Polyclonal Antibody, Unconjugated (ABIN762026) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded human placenta tissue labeled with Anti MFSD2A Polyclonal Antibody, unconjugated (ABIN762026) at 1:200 followed by incubation with conjugated secondary antibody and DAB staining



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Formalin-fixed and paraffin embedded human larynx labeled with Rabbit Anti-MFSD2A Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN762026.