

订购热线: 4008-898-798

## Anti-MFSD2A antibody

<b>Cat. No.</b>	ml261903
<b>Package</b>	25 µl/100 µl/200 µl
<b>Storage</b>	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

### Product overview

<b>Description</b>	Anti-MFSD2A rabbit polyclonal antibody
<b>Applications</b>	ELISA, WB, IHC
<b>Immunogen</b>	Synthetic peptide of human MFSD2A
<b>Reactivity</b>	Human, Mouse
<b>Content</b>	0.8 mg/ml
<b>Host species</b>	Rabbit
<b>Ig class</b>	Immunogen-specific rabbit IgG
<b>Purification</b>	Antigen affinity purification

### Target information

<b>Symbol</b>	MFSD2A
<b>Full name</b>	major facilitator superfamily domain containing 2A



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**Synonyms** MFSD2

**Swissprot** Q8NA29

#### **Target Background**

MFSD2 (major facilitator superfamily domain containing 2), also known as MFSD2A, is a 543 amino acid multi-pass membrane protein of the endoplasmic reticulum that is involved in beta-adrenergic signaling during thermogenesis. Existing as three alternatively spliced isoforms, MFSD2 plays a role in G1 regulation and is encoded by a gene that maps to human chromosome 1p34.2. Human chromosome 1 spans 260 million base pairs, contains over 3,000 genes, comprises nearly 8% of the human genome and houses a large number of disease-associated genes, including those that are involved in familial adenomatous polyposis, Stickler syndrome, Parkinson's disease, Gaucher disease, schizophrenia and Usher syndrome.

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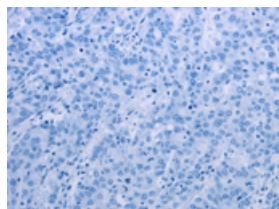
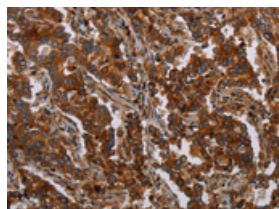
## Applications

### Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human liver cancer

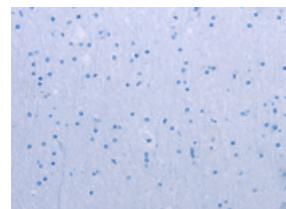
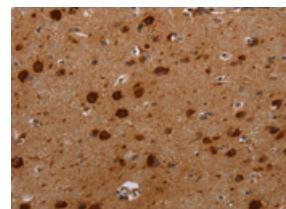
Recommended dilution: 25-100



Predicted cell location: Cytoplasm

Positive control: Human brain

Recommended dilution: 25-100



The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using ml261903(MFSD2A Antibody) at dilution 1/25, on the right is treated with synthetic peptide. (Original magnification:  $\times 200$ )

The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using ml261903(MFSD2A Antibody) at dilution 1/25, on the right is treated with synthetic peptide. (Original magnification:  $\times 200$ )

### Western blotting

Predicted band size: 60 kDa

Positive control: Human thyroid cancer, mouse liver and human fetal liver tissue, A549 and 293T cells

Recommended dilution: 500-2000

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Gel: 8%SDS-PAGE

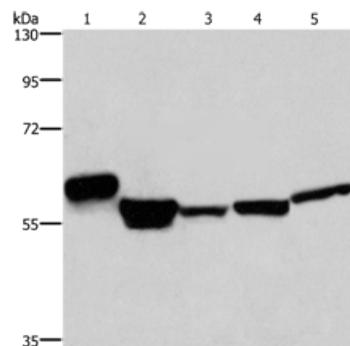
Lysate: 40 µg

Lane 1-5: Human thyroid cancer tissue, mouse liver tissue, human fetal liver tissue, A549 cells, 293T cells

Primary antibody: ml261903(MFSD2A Antibody) at dilution 1/300

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 1 minute



## ELISA

Recommended dilution: 1000-2000

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