

MFSD8 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI13813**Specification**

MFSD8 antibody - middle region - Product Information

Application	WB
Primary Accession	Q8NHS3
Other Accession	NM_152778 , NP_689991
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	57kDa kDa

MFSD8 antibody - middle region - Additional Information**Gene ID** 256471**Alias Symbol** CLN7, MGC33302**Other Names**

Major facilitator superfamily domain-containing protein 8, Ceroid-lipofuscinosis neuronal protein 7, MFSD8, CLN7

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-MFSD8 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

MFSD8 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

MFSD8 antibody - middle region - Protein Information**Name** MFSD8 {ECO:0000303|PubMed:17564970, ECO:0000312|HGNC:HGNC:28486}**Function**

Outward-rectifying chloride channel involved in endolysosomal chloride homeostasis, membrane fusion and function. Conducts chloride currents up to hundreds of picoamperes. Regulates lysosomal calcium content by reducing the lysosomal membrane potential, thereby activating TRPML1 channel and further release of lysosomal calcium ions. Regulates the pH in endolysosomal compartments and may contribute to progressive acidification from endosome to lysosome. Permeable to other halides such as iodide and fluoride ions.

Cellular Location

Endosome membrane; Multi-pass membrane protein. Lysosome membrane; Multi-pass membrane protein. Note=Sorting to lysosomes involves dileucine-based motif

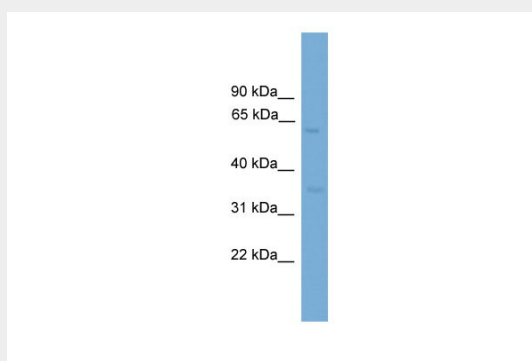
Tissue Location

Expressed at very low levels in all tissues tested.

MFSD8 antibody - middle region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MFSD8 antibody - middle region - Images

WB Suggested Anti-MFSD8 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:312500

Positive Control: HepG2 cell lysate

MFSD8 antibody - middle region - References

- Ota T., et al. Nat. Genet. 36:40-45(2004).
Hillier L.W., et al. Nature 434:724-731(2005).
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Schroeder B., et al. Traffic 8:1676-1686(2007).
Steenhuis P., et al. Traffic 11:987-1000(2010).