

MFSD8 antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI13813

Product Information

Application	WB
Primary Accession	Q8NHS3
Other Accession	NM_152778 , NP_689991
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	57628

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.

Protein Information

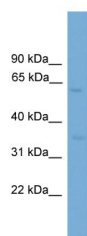
Name	MFSD8 {ECO:0000303 PubMed:17564970, ECO:0000312 HGNC:HGNC:28486}
Function	Outward-rectifying chloride channel involved in endolysosomal chloride homeostasis, membrane fusion and function. Conducts chloride currents up to hundreds of picoamperes. Regulates lysosomal calcium content by reducing the 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.

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).

Images



WB Suggested Anti-MFSD8 Antibody Titration: 0.2-1 µg/ml
 ELISA Titer: 1:312500
 Positive Control: HepG2 cell lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.