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Mfsd7b antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI13723

Product Information

Application	WB
Primary Accession	B2RXV4
Other Accession	NM_001081259, NP_001074728
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	60469

Additional Information

Gene ID	226844
Alias Symbol	9630055N22Rik, FLVCR, Flvcr1
Other Names	Feline leukemia virus subgroup C receptor-related protein 1, Feline leukemia virus subgroup C receptor, Major facilitator superfamily domain containing 7B, Mfsd7b, Flvcr1, Mfsd7b
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-Mfsd7b 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	Mfsd7b antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

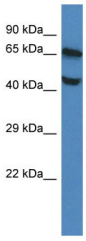
Name	Flvcr1
Synonyms	Mfsd7b
Function	Uniporter that mediates the transport of extracellular choline and ethanolamine into cells, thereby playing a key role in phospholipid biosynthesis (PubMed:37100056). Choline and ethanolamine are the precursors of phosphatidylcholine and phosphatidylethanolamine, respectively, the two most abundant phospholipids (By similarity). Transport is not coupled with proton transport and is exclusively driven by the choline (or ethanolamine) gradient across the plasma membrane (By similarity). Also

	acts as a heme b transporter that mediates heme efflux from the cytoplasm to the extracellular compartment (PubMed:18258918, PubMed:23187127).
Cellular Location	[Isoform 1]: Cell membrane; Multi-pass membrane protein

References

Church D.M.,et al.PLoS Biol. 7:E1000112-E1000112(2009).
Keel S.B.,et al.Science 319:825-828(2008).
Chiabrando D.,et al.J. Clin. Invest. 122:4569-4579(2012).

Images



WB Suggested Anti-Mfsd7b Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Brain

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