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MS4A7 Antibody (monoclonal) (M06)

Mouse monoclonal antibody raised against a full length recombinant MS4A7.
Catalog # AT2910a

Product Information

Application	WB, E
Primary Accession	Q9GZW8
Other Accession	BC020673
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	2D3
Calculated MW	26131

Additional Information

Gene ID	58475
Other Names	Membrane-spanning 4-domains subfamily A member 7, CD20 antigen-like 4, CD20/FC-epsilon-RI-beta family member 4, Four-span transmembrane protein 2, MS4A7, 4SPAN2, CD20L4, CFFM4
Target/Specificity	MS4A7 (AAH20673, 1 a.a. ~ 240 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	MS4A7 Antibody (monoclonal) (M06) is for research use only and not for use in diagnostic or therapeutic procedures.

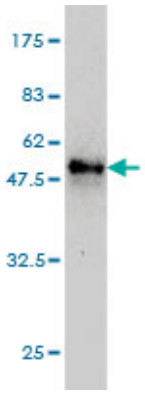
Background

This gene encodes a member of the membrane-spanning 4A gene family, members of which are characterized by common structural features and similar intron/exon splice boundaries and display unique expression patterns in hematopoietic cells and nonlymphoid tissues. This family member is associated with mature cellular function in the monocytic lineage, and it may be a component of a receptor complex involved in signal transduction. This gene is localized to 11q12, in a cluster of other family members. At least four alternatively spliced transcript variants encoding two distinct isoforms have been observed.

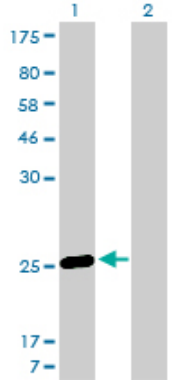
References

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.Signal sequence and keyword trap in silico for selection of full-length human cDNAs encoding secretion or membrane proteins from oligo-capped cDNA libraries. Otsuki T, et al. DNA Res, 2005. PMID 16303743.A human protein-protein interaction network: a resource for annotating the proteome. Stelzl U, et al. Cell, 2005 Sep 23. PMID 16169070.The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.Complete sequencing and characterization of 21,243 full-length human cDNAs. Ota T, et al. Nat Genet, 2004 Jan. PMID 14702039.

Images

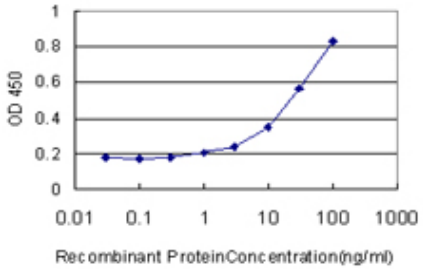


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (52.14 KDa) .

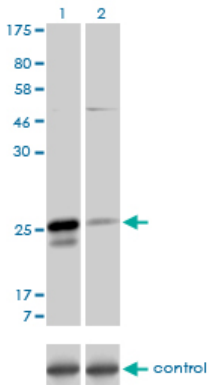


Western Blot analysis of MS4A7 expression in transfected 293T cell line by MS4A7 monoclonal antibody (M06), clone 2D3.

Lane 1: MS4A7 transfected lysate(26.1 KDa).
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged MS4A7 is approximately 1ng/ml as a capture antibody.



Western blot analysis of MS4A7 over-expressed 293 cell line, cotransfected with MS4A7 Validated Chimera RNAi ((Cat # AT2910a)

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