

MS4A6A Antibody

Catalog # ASC11403

Product Information

Application	WB, IF, E, IHC-P
Primary Accession	Q9H2W1
Other Accession	NP_071744 , 23238238
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	26943
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	MS4A6A antibody can be used for detection of MS4A6A by Western blot at 1 - 2 μ g/mL. Antibody can also be used for immunohistochemistry starting at 2.5 μ g/mL. For immunofluorescence start at 20 μ g/mL.

Additional Information

Gene ID	64231
Other Names	Membrane-spanning 4-domains subfamily A member 6A, CD20 antigen-like 3, Four-span transmembrane protein 3, MS4A6A, 4SPAN3, CD20L3, MS4A6
Target/Specificity	MS4A6A; At least three isoforms of MS4A6A are known to exist; this antibody will detect the two longer isoforms. MS4A6A antibody is predicted to not cross-react with MS4A family members.
Reconstitution & Storage	MS4A6A antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Precautions	MS4A6A Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MS4A6A
Synonyms	4SPAN3, CD20L3, MS4A6
Function	May be involved in signal transduction as a component of a multimeric receptor complex.
Cellular Location	Membrane; Multi-pass membrane protein.

Tissue Location

Variable expression in some B-cell, myelomonocytic, and erythroleukemia cell lines

Background

MS4A6A Antibody: The MS4A gene family in humans includes CD20 (MS4A1), FcRbeta (MS4A2), Htm4 (MS4A3), and at least 13 other genes encoding membrane proteins, most having characteristic tetraspanning topology and similar intron/exon splice boundaries. All family members display unique expression patterns among hematopoietic cells and non-lymphoid tissues. The function of MS4A6A has been suggested to be involved in signal transduction as a component of a multimeric receptor complex in Alzheimer's disease and cancer.

References

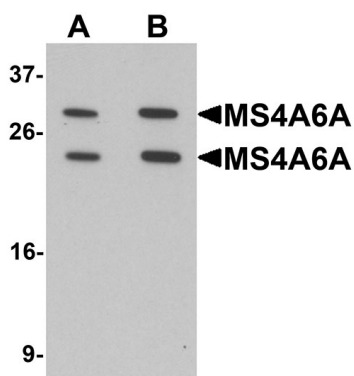
Liang Y and Tedder TF. Identification of a CD20-, FcepsilonRIbeta-, and HTm4-related gene family: sixteen new MS4A family members expressed in human and mouse. *Genomics* 2001; 72:119-27

Ishibashi K, Suzuki M, Sasaki S, et al. Identification of a new multigene four-transmembrane family (MS4A) related to CD20, HTm4 and beta subunit of the high-affinity IgE receptor. *Gene* 2001; 264:87-93.

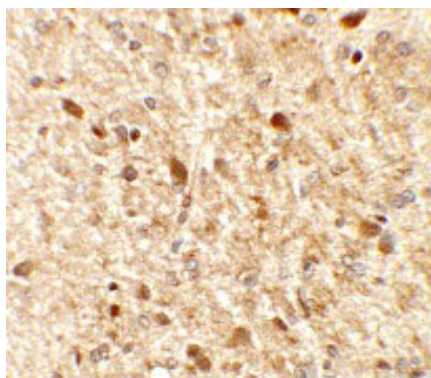
Antúnez C, Boada M, Gonzalez-Pérez A, et al. The membrane-spanning 4-domains, subfamily A (MS4A) gene cluster contains a common variant associated with Alzheimer's disease. *Genome Med.* 2011; 3:33

Hollingworth P, Harold D, Sims R, et al. Common variants at ABCA7, MS4A6A/MS4A4E, EPHA1, CD33 and CD2AP are associated with Alzheimer's disease. *Nat. Genet.* 2011; 43:429-35.

Images

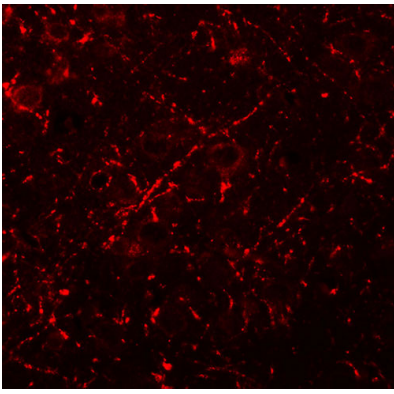


Western blot analysis of MS4A6A in 293 cell lysate with MS4A6A antibody at (A) 1 and (B) 2 µg/mL.



Immunohistochemistry of MS4A6A in rat brain tissue with MS4A6A antibody at 2.5 µg/mL.

Immunofluorescence of MS4A6A in rat brain tissue with MS4A6A antibody at 20 µg/mL.



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