

MS4A6A Antibody

Catalog # ASC11403

Specification

MS4A6A Antibody - Product Information

Application
Primary Accession
Other Accession
Reactivity
Host
Clonality
Isotype
Application Notes

WB, IHC, IF <u>Q9H2W1</u>

NP_071744, 23238238 Human, Mouse, Rat

Rabbit Polyclonal

IgG

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

μg/mL.

MS4A6A Antibody - Additional Information

Gene ID **64231**

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.

MS4A6A Antibody - 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

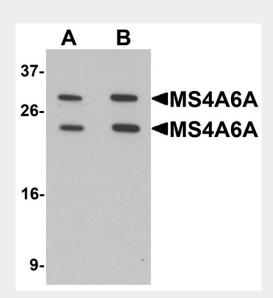


MS4A6A Antibody - Protocols

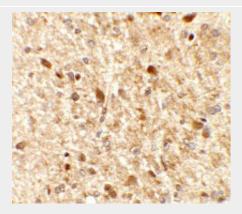
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MS4A6A Antibody - Images

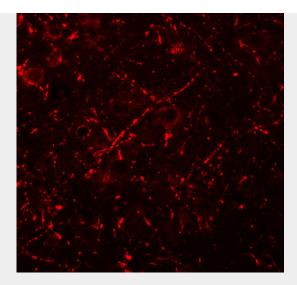


Western blot analysis of MS4A6A in 293 cell lysate with MS4A6A antibody at (A) 1 and (B) 2 $\mu g/mL$.



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.

MS4A6A Antibody - 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.

MS4A6A Antibody - References

Liang Y and Tedder TF. Identification of a CD20-, FcepsilonRlbeta-, 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.