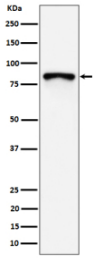
MS4A14 Antibody / Membrane spanning 4 domains subfamily A member 14 [clone 29M80] (FY12869)

Catalog No.	Formulation	Size
FY12869	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA	100 ul

Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	2-3 weeks
Species Reactivity	Human
Format	Liquid
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	29M80
Purity	Affinity chromatography
Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
UniProt	Q96JA4
Applications	Western blot: 1:500-1:2000
Limitations	This MS4A14 antibody is available for research use only.



Western blot analysis of MS4A14 expression in human MCF7 cell lysate using MS4A14 antibody. Predicted molecular weight ~77 kDa.

Description

MS4A14 antibody detects membrane spanning 4 domains subfamily A member 14, a protein encoded by the MS4A14 gene. The MS4A family consists of transmembrane proteins characterized by four hydrophobic domains and is

associated with immune signaling, membrane transport, and cell communication. MS4A14 antibody allows researchers to examine this less studied family member, providing insight into its biological functions and disease associations.

Although the specific role of MS4A14 remains under investigation, proteins in the MS4A family are often involved in immune cell activation, receptor signaling, and calcium flux regulation. Several MS4A proteins, including MS4A1 (CD20), have well characterized roles in immune function and are targeted in therapeutic antibody development. MS4A14 antibody helps extend this research to uncover potential similarities in structure and function within the family.

MS4A14 expression has been observed in various tissues, with elevated levels reported in certain cancers. Gene expression analyses suggest MS4A14 may contribute to tumor biology, making MS4A14 antibody useful for cancer biomarker discovery and validation. In addition, large scale genomic studies have linked MS4A family members to neurological conditions, including Alzheimer disease, highlighting potential roles in neural signaling and degeneration.

MS4A14 antibody is commonly used in western blotting, immunohistochemistry, and flow cytometry. These applications reveal protein abundance, cellular localization, and surface expression patterns. Such approaches aid in clarifying whether MS4A14 functions in immune regulation, neurological processes, or oncogenic pathways.

By providing reagents such as MS4A14 antibody, NSJ Bioreagents enables further exploration of the MS4A protein family. As research progresses, antibodies against MS4A14 can help establish its value as a diagnostic marker or therapeutic target in immunology, oncology, and neuroscience.

Application Notes

Optimal dilution of the MS4A14 antibody should be determined by the researcher.

Immunogen

A synthesized peptide derived from human MS4A14 was used as the immunogen for the MS4A14 antibody.

Storage

Store the MS4A14 antibody at -20oC.

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