

Datasheet for 600-401-CV4**MS4A6A Antibody****Overview**

Description:	Anti-MS4A6A (RABBIT) Antibody - 600-401-CV4
Item No.:	600-401-CV4
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	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.
Synonyms:	MS4A6A Antibody, CDA01, MS4A6, 4SPAN3, CD20L3, MST090, MSTP090, 4SPAN3.2, CDA01, Membrane-spanning 4-domains subfamily A member 6A, CD20 antigen-like 3
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	MS4A6A
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-MS4A6A antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid synthetic peptide near the N-terminus of human MS4A6A.

Purity/Specificity: Anti-MS4A6A Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. 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.

Relevant Links:

- [UniProtKB - Q9H2W1](#)
- [GeneID - 64231](#)
- [NCBI - NP_071744](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-MS4A6A Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 27 kDa in Western Blots of specific cell lysates and tissues.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:10,000 - 1:20,000

IF: 20 µg/mL

IHC: 2.5 µg/mL

WB: 1-2 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1.0 mg/mL by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

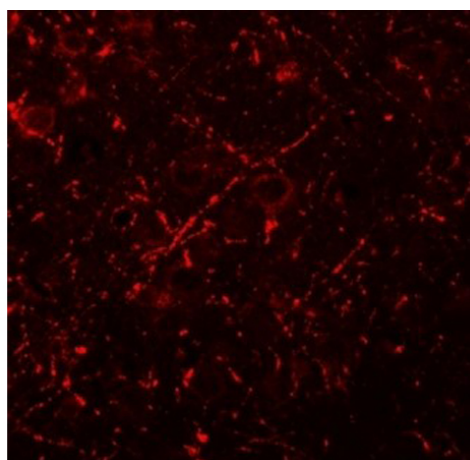
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images

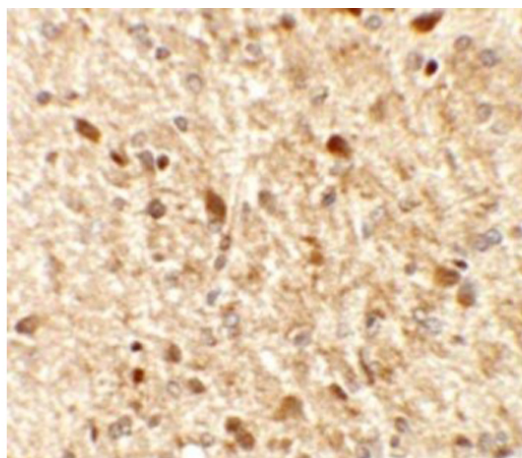


Immunofluorescence Microscopy

Immunofluorescence of MS4A6A.

Tissue: rat brain tissue.

Primary Antibody: MS4A6A antibody at 20 µg/mL.

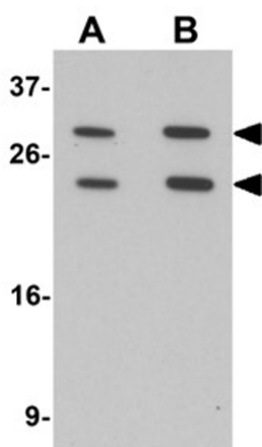


Immunohistochemistry

Immunohistochemistry of MS4A6A.

Tissue: rat brain tissue.

Primary Antibody: MS4A6A antibody at 2.5 µg/mL.

**Western Blot**

Western blot analysis of MS4A6A.

Load: 293 cell lysate.

Primary Antibody: MS4A6A antibody at (A) 1 $\mu\text{g/mL}$ and (B) 2 $\mu\text{g/mL}$.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.