

# MS4A3 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP18066c

## Product Information

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Application	WB, E
Primary Accession	<a href="#">Q96HJ5</a>
Other Accession	<a href="#">NP_001026836.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB37599
Calculated MW	22933
Antigen Region	97-123

## Additional Information

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Gene ID	932
Other Names	Membrane-spanning 4-domains subfamily A member 3, CD20 antigen-like protein, Hematopoietic-specific transmembrane protein 4, HTm4, MS4A3, CD20L, HTM4
Target/Specificity	This MS4A3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 97-123 amino acids from the Central region of human MS4A3.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	MS4A3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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Name	MS4A3
Synonyms	CD20L, HTM4

<b>Function</b>	Hematopoietic modulator for the G1-S cell cycle transition. Modulates the level of phosphorylation of cyclin-dependent kinase 2 (CDK2) through its direct binding to cyclin-dependent kinase inhibitor 3 (CDKN3/KAP).
<b>Cellular Location</b>	Endomembrane system; Multi-pass membrane protein. Cytoplasm, perinuclear region. Note=Located in the perinuclear area
<b>Tissue Location</b>	Expressed specifically in hematopoietic cells and tissues

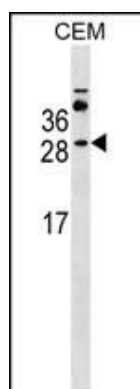
## Background

This gene encodes a member of the membrane-spanning 4A gene family. Members of this protein family are characterized by common structural features and similar intron/exon splice boundaries and display unique expression patterns among hematopoietic cells and nonlymphoid tissues. This family member likely plays a role in signal transduction and may function as a subunit associated with receptor complexes. The gene encoding this protein is localized to 11q12, among a cluster of related family members. Alternative splicing may result in multiple transcript variants; however, not all variants have been fully described.

## References

Shimada, M., et al. Hum. Genet. 128(4):433-441(2010)  
 Davila, S., et al. Genes Immun. 11(3):232-238(2010)  
 Lamesch, P., et al. Genomics 89(3):307-315(2007)  
 Chinami, M., et al. J. Biol. Chem. 280(17):17235-17242(2005)  
 Donato, J.L., et al. J. Clin. Invest. 109(1):51-58(2002)

## Images



MS4A3 Antibody (Center) (Cat. #AP18066c) western blot analysis in CEM cell line lysates (35ug/lane). This demonstrates the MS4A3 antibody detected the MS4A3 protein (arrow).

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