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MS4A3 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18066c

Product Information

Application	WB, E
Primary Accession	Q96HJ5
Other Accession	NP_001026836.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB37599
Calculated MW	22933
Antigen Region	97-123

Additional Information

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

Name	MS4A3
Synonyms	CD20L, HTM4

Function	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).
Cellular Location	Endomembrane system; Multi-pass membrane protein. Cytoplasm, perinuclear region. Note=Located in the perinuclear area
Tissue Location	Expressed specifically in hematopoietic cells and tissues

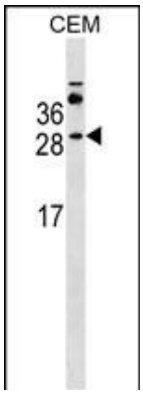
Background

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'.