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MARCH9 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17367b

Product Information

Application	WB, E
Primary Accession	Q86YJ5
Other Accession	Q3TZ87, NP_612405.2
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB37811
Calculated MW	37772
Antigen Region	304-330

Additional Information

Gene ID	92979
Other Names	E3 ubiquitin-protein ligase MARCH9, 632-, Membrane-associated RING finger protein 9, Membrane-associated RING-CH protein IX, MARCH-IX, RING finger protein 179, MARCH9, RNF179
Target/Specificity	This MARCH9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 304-330 amino acids from the C-terminal region of human MARCH9.
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	MARCH9 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MARCHF9 (HGNC:25139)
Synonyms	MARCH9, RNF179

Function	E3 ubiquitin-protein ligase that may mediate ubiquitination of MHC-I, CD4 and ICAM1, and promote their subsequent endocytosis and sorting to lysosomes via multivesicular bodies. E3 ubiquitin ligases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfer the ubiquitin to targeted substrates.
Cellular Location	Golgi apparatus membrane; Multi-pass membrane protein. Lysosome membrane; Multi- pass membrane protein
Tissue Location	Ubiquitously expressed.

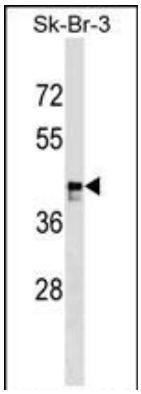
Background

MARCH9 is a member of the MARCH family of membrane-bound E3 ubiquitin ligases (EC 6.3.2.19). MARCH enzymes add ubiquitin (see MIM 191339) to target lysines in substrate proteins, thereby signaling their vesicular transport between membrane compartments. MARCH9 induces internalization of several membrane glycoproteins and directs them to the endosomal compartment (Bartee et al., 2004 [PubMed 14722266]; Hoer et al., 2007 [PubMed 17174307]).[supplied by OMIM].

References

Nice, T.J., et al. J. Immunol. 185(9):5369-5376(2010)
Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)
Hoer, S., et al. FEBS Lett. 581(1):45-51(2007)
Bartee, E., et al. J. Virol. 78(3):1109-1120(2004)

Images



MARCH9 Antibody (C-term) (Cat. #AP17367b) western blot analysis in SK-BR-3 cell line lysates (35ug/lane).This demonstrates the MARCH9 antibody detected the MARCH9 protein (arrow).

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