

MARCH9 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP17367b**Specification**

MARCH9 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [Q86YJ5](#)

MARCH9 Antibody (C-term) Blocking Peptide - 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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

MARCH9 Antibody (C-term) Blocking Peptide - 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.

MARCH9 Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

MARCH9 Antibody (C-term) Blocking Peptide - Images

MARCH9 Antibody (C-term) Blocking Peptide - 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].

MARCH9 Antibody (C-term) Blocking Peptide - 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)