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MARCH4 Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP13332b

Specification

MARCH4 Antibody (C-term) Blocking peptide - Product Information

Primary Accession Q9P2E8

MARCH4 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 57574

Other Names
E3 ubiquitin-protein ligase MARCH4, 632-, Membrane-associated RING finger protein 4, Membrane-associated RING-CH protein IV, MARCH-IV, RING finger protein 174, MARCH4, KIAA1399, RNF174

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP13332b was selected from the C-term region of 40606. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

MARCH4 Antibody (C-term) Blocking peptide - Protein Information

Name MARCHF4 (HGNC:29269)

Function
E3 ubiquitin-protein ligase that may mediate ubiquitination of MHC-I and CD4, 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

Tissue Location
Expressed in brain and placenta.

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MARCH4 Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

MARCH4 Antibody (C-term) Blocking peptide - Images

MARCH4 Antibody (C-term) Blocking peptide - Background

MARCH4 is a member of the MARCH family of membrane-boundE3 ubiquitin ligases (EC 6.3.2.19). MARCH enzymes add ubiquitin(see MIM 191339) to target lysines in substrate proteins, therebysignaling their vesicular transport between membrane compartments.MARCH4 reduces surface accumulation of several membraneglycoproteins by directing them to the endosomal compartment(Bartee et al., 2004 [PubMed 14722266]).

MARCH4 Antibody (C-term) Blocking peptide - References

Bartee, E., et al. J. Virol. 78(3):1109-1120(2004)