

**MARCH4 Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP13332b****Specification**

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**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.

## **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-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. MARCH4 reduces surface accumulation of several membrane glycoproteins 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)