

MARCH7 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP16616a**Specification**

MARCH7 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q9H992](#)**MARCH7 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 64844**Other Names**

E3 ubiquitin-protein ligase MARCH7, 632-, Axotrophin, Membrane-associated RING finger protein 7, Membrane-associated RING-CH protein VII, MARCH-VII, RING finger protein 177, MARCH7, AXOT, RNF177

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.

MARCH7 Antibody (N-term) Blocking Peptide - Protein Information**Name** MARCHF7 ([HGNC:17393](#))**Synonyms** AXOT, MARCH7, RNF177**Function**

E3 ubiquitin-protein ligase which may specifically enhance the E2 activity of HIP2. 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 (PubMed:16868077). May be involved in T-cell proliferation by regulating LIF secretion (By similarity). May play a role in lysosome homeostasis (PubMed:31270356). Promotes 'Lys-6', 'Lys-11' and 'Lys-63'- linked mixed polyubiquitination on ATG14 leading to the inhibition of autophagy by impairing the interaction between ATG14 and STX7 (PubMed:37632749). Participates in the dopamine-mediated negative regulation of the NLRP3 inflammasome by promoting its ubiquitination and subsequent degradation (PubMed:25594175).

Cellular Location

Cytoplasm.

MARCH7 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

MARCH7 Antibody (N-term) Blocking Peptide - Images

MARCH7 Antibody (N-term) Blocking Peptide - Background

MARCH7 is a member of the MARCH family of membrane-bound E3 ubiquitin ligases (EC 6.3.2.19). MARCH proteins add ubiquitin (see MIM 191339) to target lysines in substrate proteins, thereby signaling their vesicular transport between membrane compartments (Bartee et al., 2004 [PubMed 14722266]).

MARCH7 Antibody (N-term) Blocking Peptide - References

Szigyarto, C.A., et al. J. Histochem. Cytochem. 58(4):301-308(2010) Nathan, J.A., et al. Traffic 9(7):1130-1145(2008) Muthukumarana, P.A., et al. Int. Immunopharmacol. 6 (13-14), 1993-2001 (2006) :Flierman, D., et al. Proc. Natl. Acad. Sci. U.S.A. 103(31):11589-11594(2006) Lim, J., et al. Cell 125(4):801-814(2006)