

MARCH5 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP5677a**Specification**

MARCH5 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession
Other Accession[O9NX47](#)
[NP_060294](#)**MARCH5 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 54708**Other Names**

E3 ubiquitin-protein ligase MARCH5, 632-, Membrane-associated RING finger protein 5, Membrane-associated RING-CH protein V, MARCH-V, Mitochondrial ubiquitin ligase, MITOL, RING finger protein 153, MARCH5, RNF153

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.

MARCH5 Antibody (N-term) Blocking peptide - Protein Information**Name** MARCHF5 ([HGNC:26025](#))**Synonyms** MARCH5, RNF153**Function**

Mitochondrial E3 ubiquitin-protein ligase that plays a crucial role in the control of mitochondrial morphology by acting as a positive regulator of mitochondrial fission. May play a role in the prevention of cell senescence acting as a regulator of mitochondrial quality control. Promotes ubiquitination of FIS1, DNM1L and MFN1.

Cellular Location

Mitochondrion outer membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein. Note=Authors show that the protein can be detected in endoplasmic reticulum (PubMed:14722266). Authors (PubMed:16874301) show its presence only in mitochondria (PubMed:16874301)

Tissue Location

Expressed in brain, heart, liver, lung, spleen, stomach, testis, skeletal and muscle.

MARCH5 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

MARCH5 Antibody (N-term) Blocking peptide - Images

MARCH5 Antibody (N-term) Blocking peptide - Background

MARCH5 is a ubiquitin ligase of the mitochondrial outermembrane that plays a role in the control of mitochondrial morphology by regulating mitofusin-2 (MFN2; MIM 608507) and DRP1(DNM1L; MIM 603850) (Nakamura et al., 2006 [PubMed16936636]).

MARCH5 Antibody (N-term) Blocking peptide - References

Yonashiro, R., et al. Mol. Biol. Cell 20(21):4524-4530(2009)Karbowski, M., et al. J. Cell Biol. 178(1):71-84(2007)Nakamura, N., et al. EMBO Rep. 7(10):1019-1022(2006)