

MARCH7 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16616A**Specification**

MARCH7 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O9H992
Other Accession	O5XI50 , NP_073737.1
Reactivity	Human
Predicted	Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	78051
Antigen Region	67-95

MARCH7 Antibody (N-term) - 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

Target/Specificity

This MARCH7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 67-95 amino acids from the N-terminal region of human MARCH7.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

MARCH7 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MARCH7 Antibody (N-term) - 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

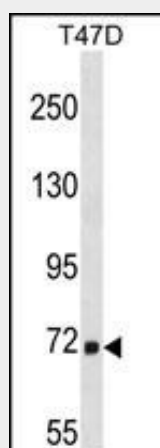
Cytoplasm.

MARCH7 Antibody (N-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MARCH7 Antibody (N-term) - Images



MARCH7 Antibody (N-term) (Cat. #AP16616a) western blot analysis in T47D cell line lysates (35ug/lane). This demonstrates the MARCH7 antibody detected the MARCH7 protein (arrow).

MARCH7 Antibody (N-term) - 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) - 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)