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MARCH7 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP16616A

Specification

MARCH7 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q9H992
Other Accession	Q5XI50, 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

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 uibiquitination and subsequent degradation (PubMed:25594175).

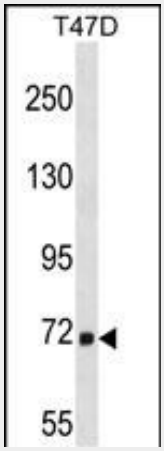
Cellular Location
Cytoplasm.

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 Cytomety
- 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]).

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Lim, J., et al. Cell 125(4):801-814(2006)