

MARCH7 / Axotrophin Antibody (Internal)
Goat Polyclonal Antibody
Catalog # ALS14953**Specification**

MARCH7 / Axotrophin Antibody (Internal) - Product Information

Application	IHC
Primary Accession	Q9H992
Reactivity	Human, Rat, Rabbit, Monkey, Horse
Host	Goat
Clonality	Polyclonal
Calculated MW	78kDa KDa

MARCH7 / Axotrophin Antibody (Internal) - Additional Information**Gene ID** 64844**Other Names**

E3 ubiquitin-protein ligase MARCH7, 6.3.2.-, Axotrophin, Membrane-associated RING finger protein 7, Membrane-associated RING-CH protein VII, MARCH-VII, RING finger protein 177, MARCH7, AXOT, RNF177

Target/Specificity

Human MARCH7 / Axotrophin.

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

MARCH7 / Axotrophin Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

MARCH7 / Axotrophin Antibody (Internal) - 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).

target="_blank">37632749). Participates in the dopamine-mediated negative regulation of the NLRP3 inflammasome by promoting its ubiquitination and subsequent degradation (PubMed:25594175).

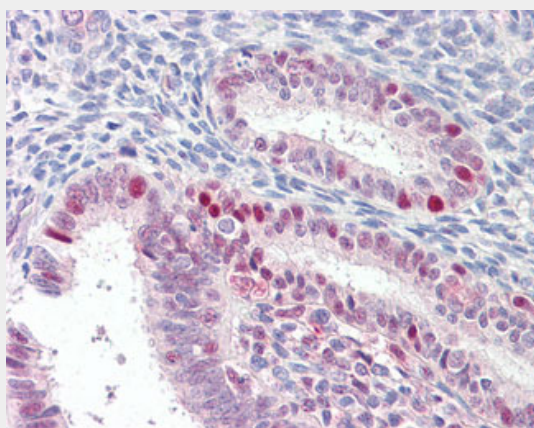
Cellular Location

Cytoplasm.

MARCH7 / Axotrophin Antibody (Internal) - 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 / Axotrophin Antibody (Internal) - Images

Anti-MARCH7 antibody IHC of human uterus.

MARCH7 / Axotrophin Antibody (Internal) - Background

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.

MARCH7 / Axotrophin Antibody (Internal) - References

Ota T.,et al.Nat. Genet. 36:40-45(2004).
Suzuki Y.,et al.Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.
Hillier L.W.,et al.Nature 434:724-731(2005).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Metcalf S.M.,et al.FEBS Lett. 579:609-614(2005).