

MARCH7 / Axotrophin Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2656a**Specification**

MARCH7 / Axotrophin Antibody (internal region) - Product Information

Application	WB, E
Primary Accession	O9H992
Other Accession	NP_073737.1 , 64844
Reactivity	Mouse
Predicted	Human, Rat
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	78051

MARCH7 / Axotrophin Antibody (internal region) - 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

Dilution

WB~~1:1000

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

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

MARCH7 / Axotrophin Antibody (internal region) - 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 / Axotrophin Antibody (internal region) - 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 region) - Images

AF2656a ((2 µg/ml) staining of Mouse Skeletal Muscle lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

MARCH7 / Axotrophin Antibody (internal region) - References

Evidence for functional inter-relationships between FOXP3, leukaemia inhibitory factor, and axotrophin/MARCH-7 in transplantation tolerance. Muthukumarana PA, Lyons GE, Miura Y, Thompson LH, Watson T, Green CJ, Shurey S, Hess AD, Rosengard BR, Metcalfe SM. Int Immunopharmacol. 2006 Dec 20;6(13-14):1993-2001. Epub 2006 Oct 17. PMID: 17161353