10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MARCH7 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant MARCH7.
Catalog # AT2801a

Product Information

Application	WB, IF, E
Primary Accession	Q9H992
Other Accession	NM_022826
Reactivity	Human, Mouse, Rat
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	2B9
Calculated MW	78051

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	MARCH7 (NP_073737, 66 a.a. ~ 136 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	MARCH7 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

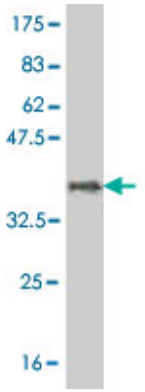
MARCH7 is a member of the MARCH family of membrane-bound E3 ubiquitin ligases (EC 6.3.2.19). MARCH proteins add ubiquitin (see MIM 191339) to target lysines in substrate proteins, thereby signaling their vesicular transport between membrane compartments (Bartee et al., 2004 [PubMed 14722266]).

References

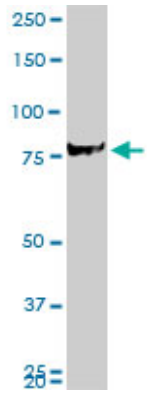
The E3 ligase axotrophin/MARCH-7: protein expression profiling of human tissues reveals links to adult stem cells. Szigyarto CA, et al. J Histochem Cytochem, 2010 Apr. PMID 19901269.The ubiquitin E3 ligase MARCH7

is differentially regulated by the deubiquitylating enzymes USP7 and USP9X. Nathan JA, et al. Traffic, 2008 Jul. PMID 18410486.Evidence for functional inter-relationships between FOXP3, leukaemia inhibitory factor, and axotrophin/MARCH-7 in transplantation tolerance. Muthukumarana PA, et al. Int Immunopharmacol, 2006 Dec 20. PMID 17161353.E2-25K mediates US11-triggered retro-translocation of MHC class I heavy chains in a permeabilized cell system. Flierman D, et al. Proc Natl Acad Sci U S A, 2006 Aug 1. PMID 16868077.A protein-protein interaction network for human inherited ataxias and disorders of Purkinje cell degeneration. Lim J, et al. Cell, 2006 May 19. PMID 16713569.

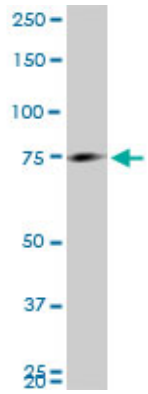
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (33.55 KDa) .

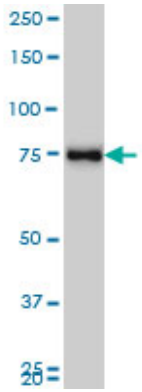


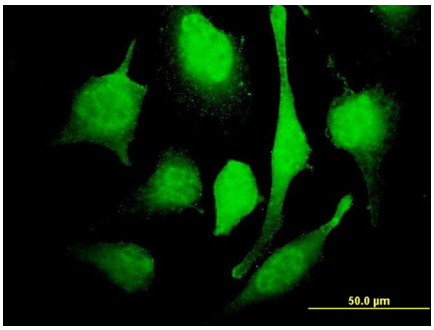
MARCH7 monoclonal antibody (M01), clone 2B9. Western Blot analysis of 'MARCH7 expression in PC-12((Cat # AT2801a)



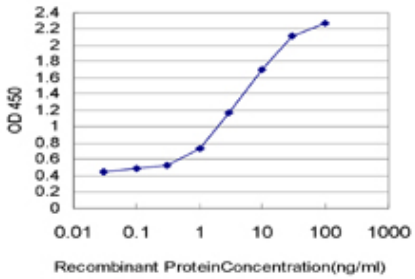
MARCH7 monoclonal antibody (M01), clone 2B9. Western Blot analysis of 'MARCH7 expression in Raw 264.7((Cat # AT2801a)

MARCH7 monoclonal antibody (M01), clone 2B9 Western Blot analysis of MARCH7expression in K-562 ((Cat # AT2801a)





Immunofluorescence of monoclonal antibody to MARCH7 on HeLa cell. [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged MARCH7 is approximately 0.03ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.