

MYL6 Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a partial recombinant MYL6.

Catalog # AT2955a

Product Information

Application	WB, E
Primary Accession	P60660
Other Accession	NM_021019
Reactivity	Human, Mouse
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	1D6
Calculated MW	16930

Additional Information

Gene ID	4637
Other Names	Myosin light polypeptide 6, 17 kDa myosin light chain, LC17, Myosin light chain 3, MLC-3, Myosin light chain alkali 3, Myosin light chain A3, Smooth muscle and nonmuscle myosin light chain alkali 6, MYL6
Target/Specificity	MYL6 (NP_066299, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 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	MYL6 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

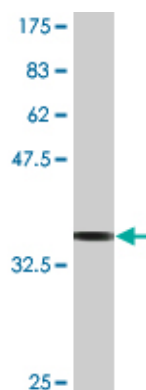
Background

Myosin is a hexameric ATPase cellular motor protein. It is composed of two heavy chains, two nonphosphorylatable alkali light chains, and two phosphorylatable regulatory light chains. This gene encodes a myosin alkali light chain that is expressed in smooth muscle and non-muscle tissues. Genomic sequences representing several pseudogenes have been described and two transcript variants encoding different isoforms have been identified for this gene.

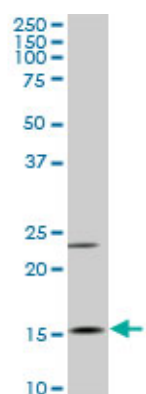
References

Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. Cell, 2009 Jul 23. PMID 19615732. Preparation of monoclonal antibodies against human ventricular myosin light chain 1 (HVMLC1) for functional studies. Fu ZY, et al. Acta Biochim Biophys Sin (Shanghai), 2006 Sep. PMID 16953301. Towards a proteome-scale map of the human protein-protein interaction network. Rual JF, et al. Nature, 2005 Oct 20. PMID 16189514. A human protein-protein interaction network: a resource for annotating the proteome. Stelzl U, et al. Cell, 2005 Sep 23. PMID 16169070. The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.

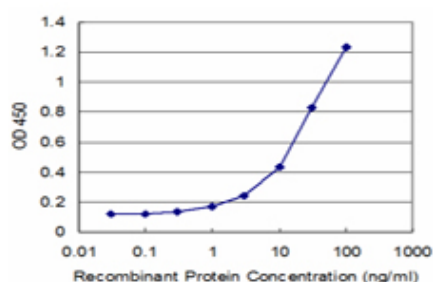
Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .



MYL6 monoclonal antibody (M03), clone 1D6. Western Blot analysis of MYL6 expression in Raw 264.7 (Cat # AT2955a)



Detection limit for recombinant GST tagged MYL6 is approximately 1 ng/ml as a capture antibody.

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