

MYPN Antibody (monoclonal) (M04)

Mouse monoclonal antibody raised against a partial recombinant MYPN.

Catalog # AT2966a

Product Information

Application	WB, E
Primary Accession	Q86TC9
Other Accession	NM_032578
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	4C8
Calculated MW	145257

Additional Information

Gene ID	84665
Other Names	Myopalladin, 145 kDa sarcomeric protein, MYPN, MYOP
Target/Specificity	MYPN (NP_115967, 61 a.a. ~ 170 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	MYPN Antibody (monoclonal) (M04) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

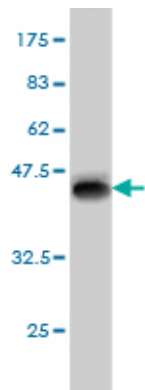
MYPN is a component of the sarcomere that tethers nebulin (MIM 161650) in skeletal muscle and nebulin (MIM 605491) in cardiac muscle to alpha-actinin (see ACTN2; MIM 102573) at the Z lines (Bang et al., 2001 [PubMed 11309420]).

References

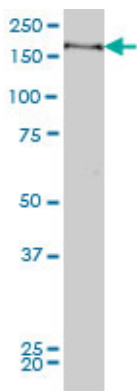
Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614. Mutations in the Z-band protein myopalladin gene and idiopathic dilated cardiomyopathy. Duboscq-Bidot L, et al. Cardiovasc Res, 2008 Jan. PMID 18006477. A probability-based approach for high-throughput protein phosphorylation analysis and site

localization. Beausoleil SA, et al. Nat Biotechnol, 2006 Oct. PMID 16964243.A scan of chromosome 10 identifies a novel locus showing strong association with late-onset Alzheimer disease. Grupe A, et al. Am J Hum Genet, 2006 Jan. PMID 16385451.The LIFEdb database in 2006. Mehrle A, et al. Nucleic Acids Res, 2006 Jan 1. PMID 16381901.

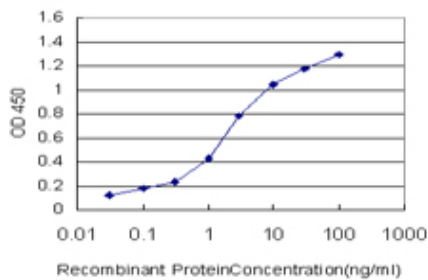
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.84 KDa) .



MYPN monoclonal antibody (M04), clone 4C8 Western Blot analysis of MYPN expression in HeLa S3 NE ((Cat # AT2966a)



Detection limit for recombinant GST tagged MYPN 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'.