

MYPN Antibody (monoclonal) (M04)**Mouse monoclonal antibody raised against a partial recombinant MYPN.****Catalog # AT2966a****Specification**

MYPN Antibody (monoclonal) (M04) - Product Information

Application	WB, E
Primary Accession	Q86TC9
Other Accession	NM_032578
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	145257

MYPN Antibody (monoclonal) (M04) - 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

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.

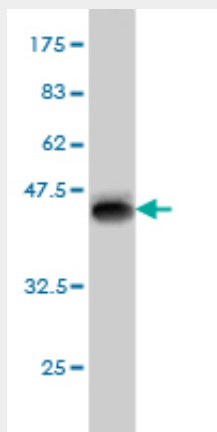
MYPN Antibody (monoclonal) (M04) - Protocols

Provided below are standard protocols that you may find useful for product applications.

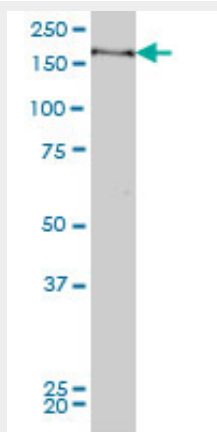
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

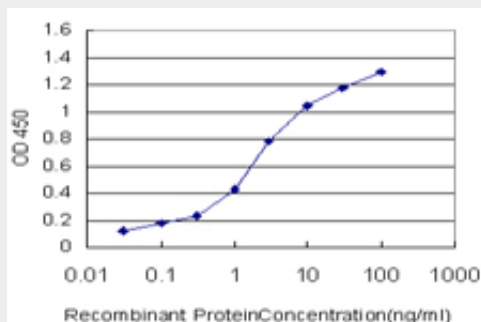
MYPN Antibody (monoclonal) (M04) - Images



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.

MYPN Antibody (monoclonal) (M04) - 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]).

MYPN Antibody (monoclonal) (M04) - 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.