

MYOZ1 Antibody (monoclonal) (M05)**Mouse monoclonal antibody raised against a partial recombinant MYOZ1.****Catalog # AT2965a****Specification**

MYOZ1 Antibody (monoclonal) (M05) - Product Information

Application	WB, E
Primary Accession	Q9NP98
Other Accession	NM_021245
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	31745

MYOZ1 Antibody (monoclonal) (M05) - Additional Information**Gene ID** 58529**Other Names**

Myozenin-1, Calsarcin-2, Filamin-, actinin- and telethonin-binding protein, Protein FATZ, MYOZ1
(http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=13752)
HGNC:13752

Target/Specificity

MYOZ1 (NP_067068.1, 200 a.a. ~ 298 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

MYOZ1 Antibody (monoclonal) (M05) is for research use only and not for use in diagnostic or therapeutic procedures.

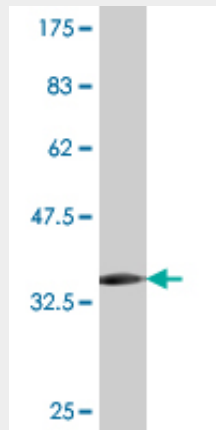
MYOZ1 Antibody (monoclonal) (M05) - Protocols

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

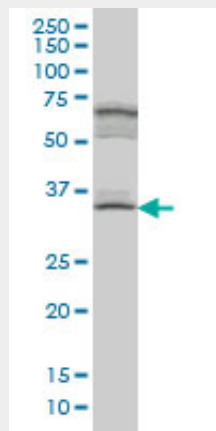
- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

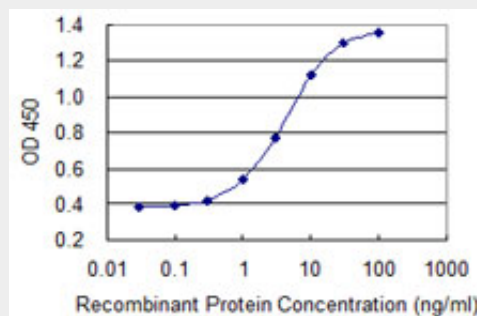
MYOZ1 Antibody (monoclonal) (M05) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .



MYOZ1 monoclonal antibody (M05), clone 1E8. Western Blot analysis of MYOZ1 expression in HepG2. (34-kDa, <http://www.ncbi.nlm.nih.gov/entrez/dispomim.cgi?id=605603>)



Detection limit for recombinant GST tagged MYOZ1 is 0.1 ng/ml as a capture antibody.

MYOZ1 Antibody (monoclonal) (M05) - References

Candidate-gene testing for orphan limb-girdle muscular dystrophies. Aurino S, et al. Acta Myol, 2008 Dec. PMID 19472918. Mutations in MYOZ1 as well as MYOZ2 encoding the calsarcins are not associated with idiopathic and familial dilated cardiomyopathy. Posch MG, et al. Mol Genet Metab, 2007 Jun. PMID 17434779. Mutations in PDLIM3 and MYOZ1 encoding myocyte Z line proteins are infrequently found in idiopathic dilated cardiomyopathy. Arola AM, et al. Mol Genet Metab, 2007 Apr. PMID 17254821. Towards a proteome-scale map of the human protein-protein interaction network. Rual JF, et al. Nature, 2005 Oct 20. PMID 16189514. The Z-disc proteins myotilin and FATZ-1 interact with each other and are connected to the sarcolemma via muscle-specific filamins. Gontier Y, et al. J Cell Sci, 2005 Aug 15. PMID 16076904.