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

MBNL1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant MBNL1.
Catalog # AT2813a

Specification

MBNL1 Antibody (monoclonal) (M01) - Product Information

Application	**WB, E**
Primary Accession	Q9NR56
Other Accession	BC050535
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 Kappa**
Calculated MW	**41817**

MBNL1 Antibody (monoclonal) (M01) - Additional Information

Gene ID 4154

Other Names
Muscleblind-like protein 1, Triplet-expansion RNA-binding protein, MBNL1, EXP, KIAA0428, MBNL

Target/Specificity
MBNL1 (AAH50535, 1 a.a. ~ 343 a.a) full-length 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
MBNL1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

MBNL1 Antibody (monoclonal) (M01) - Protocols

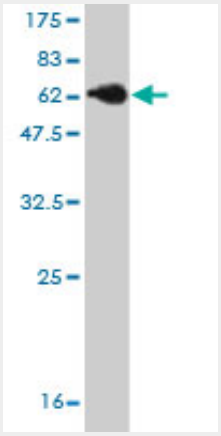
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

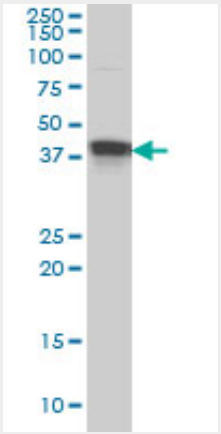
10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

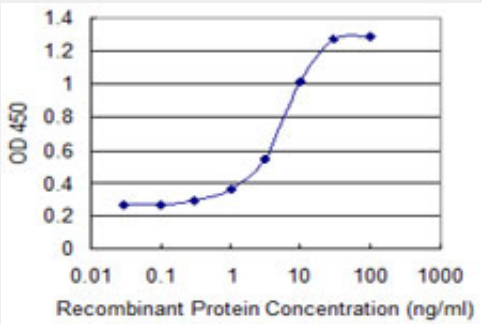
MBNL1 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (63.47 KDa) .



MBNL1 monoclonal antibody (M01), clone 1D11 Western Blot analysis of MBNL1 expression in Hela S3 NE ((Cat # AT2813a)



Detection limit for recombinant GST tagged MBNL1 is 0.1 ng/ml as a capture antibody.

MBNL1 Antibody (monoclonal) (M01) - References

Muscleblind-like 1 (Mbnl1) promotes insulin receptor exon 11 inclusion via binding to a downstream

evolutionarily conserved intronic enhancer. Sen S, et al. J Biol Chem, 2010 Aug 13. PMID 20519504.A simple ligand that selectively targets CUG trinucleotide repeats and inhibits MBNL protein binding. Arambula JF, et al. Proc Natl Acad Sci U S A, 2009 Sep 22. PMID 19805260.Ribonuclear inclusions and MBNL1 nuclear sequestration do not affect myoblast differentiation but alter gene splicing in myotonic dystrophy type 2. Cardani R, et al. Neuromuscul Disord, 2009 May. PMID 19345584.Muscleblind-like proteins: similarities and differences in normal and myotonic dystrophy muscle. Holt I, et al. Am J Pathol, 2009 Jan. PMID 19095965.Structural insights into RNA recognition by the alternative-splicing regulator muscleblind-like MBNL1. Teplova M, et al. Nat Struct Mol Biol, 2008 Dec. PMID 19043415.