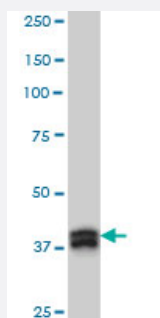


MBNL1 monoclonal antibody (M02), clone 3E7

Catalog # H00004154-M02

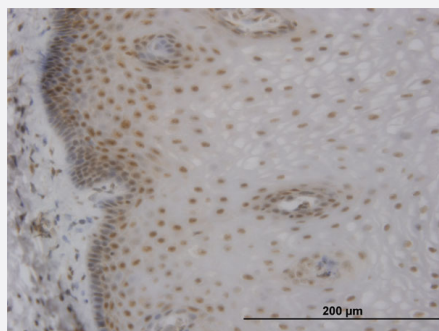
Size 100 ug

Applications



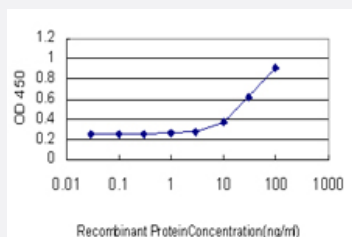
Western Blot (Cell lysate)

MBNL1 monoclonal antibody (M02), clone 3E7 Western Blot analysis of MBNL1 expression in HeLa S3 NE (Cat # L013V3).



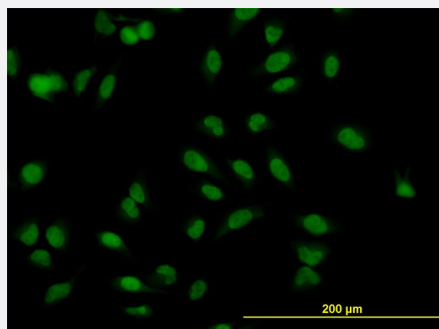
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to MBNL1 on formalin-fixed paraffin-embedded human esophagus. [antibody concentration 0.75 ug/ml]



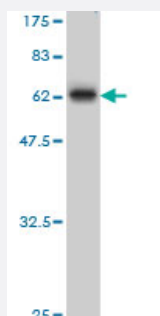
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MBNL1 is approximately 3ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to MBNL1 on HeLa cell. [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (67.76 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant MBNL1.
Immunogen	MBNL1 (AAH43493, 1 a.a. ~ 382 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAVSVTPIRDTKWLTLEVCREFQRGTCSRPDTECKFAHPSKSCQVENGRVIACFDSLKGRCSSRE NCKYLHPPPHLKTQLEINGRNLIQQKNMAMLAQQMQLANAMMPGAPLQPVPMFSVAPSLATNA SAAAFNPYLGPVSPSLVPAEILPTAPMLVTGNPGVPVPAAAAAAAAAQKLIRTDRLVCREYQRGNC NRGENDCRFAHPADSTMIDTNDNTVTVCMDDYKGRCSREKCKYFHPPAHLQAKIKAAQYQVNQAA AAQAAATAAAMGIPQAVLPPLPKRPALEKTNGATAVFNTGIFQYQQALANMQLQQHTAFLPPGSIL CMTPATSVVPMVHGATPATVSAATTSATSVPFAATATANQIPIISAEHLTSHKYVTQM
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (99); Rat (92)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (67.76 KDa) .
Storage Buffer	In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

MBNL1 monoclonal antibody (M02), clone 3E7 Western Blot analysis of MBNL1 expression in HeLa S3 NE (Cat # L013V3).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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Detection limit for recombinant GST tagged MBNL1 is approximately 3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to MBNL1 on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — MBNL1

Entrez GeneID [4154](#)

GeneBank Accession# [BC043493](#)

Protein Accession# [AAH43493](#)

Gene Name MBNL1

Gene Alias DKFZp686P06174, EXP, EXP35, EXP40, EXP42, KIAA0428, MBNL

Gene Description muscleblind-like (Drosophila)

Omim ID	606516
Gene Ontology	Hyperlink
Other Designations	muscleblind-like 1

Publication Reference

- [MBNL1 overexpression is not sufficient to rescue the phenotypes in a mouse model of RNA toxicity.](#)

Yadava RS, Kim YK, Mandal M, Mahadevan K, Gladman JT, Yu Q, Mahadevan MS.

Human Molecular Genetics 2019 Jul; 28(14):2330.

Application: IF, WB-Ti, Mouse, Skeletal muscle, Gastrocnemius/soleus, Quadriceps femoris, Heart

- [Pharmacological and physiological activation of AMPK improves the spliceopathy in DM1 mouse muscles.](#)

Ravel-Chapuis A, Al-Rewashdy A, Bélanger G, Jasmin BJ.

Human Molecular Genetics 2018 Oct; 27(19):3361.

Application: IF, WB-Ti, Mouse, Muscle

- [Development of an AP-FRET Based Analysis for Characterizing RNA-Protein Interactions in Myotonic Dystrophy \(DM1\).](#)

Rehman S, Gladman JT, Periasamy A, Sun Y, Mahadevan MS.

PLoS One 2014 Apr; 9(4):e95957.

Application: RNA-IP, Mouse, Skeletal muscle, Fibroblasts