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Datasheet for ABIN6143601  
**anti-MBNL1 antibody (AA 1-382)**

2 Images

Overview

Quantity:	100 µL
Target:	MBNL1
Binding Specificity:	AA 1-382
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MBNL1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-382 of human MBNL1 (NP_066368.2).
Sequence:	MAVSVTPIRD TKWLTLEVCR EFQRGTCSR P DTECKFAHPS KSCQVENGRV IACFDSLKGR CSRENCKYLH PPPHLKTQLE INGRNNLIQQ KNMAMLAQQM QLANAMMPGA PLQPVPMFSV APSLATNASA AAFNPYLGPV SPSLVPAEIL PTAPMLVTGN PGVPVPAAAA AAAQKLMRTD RLEVCREYQR GNCNRGENDC RFAHPADSTM IDTNDNTVTV CMDYIKGRCS REKCKYFHPP AHLQAKIKAA QYQVNQAAAA QAAATAAAMG IPQAVLPPLP KRPALEKTNG ATAVFNTGIF QYQQALANMQ LQHTAFLPP GSILCMTPAT SVVPMVHGAT PATVSAATTS ATSVPFATA TANQIPIISA EHLTSHKYVT QM
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat

## Product Details

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Characteristics: Polyclonal Antibodies

## Target Details

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Target: MBNL1

Alternative Name: MBNL1 ([MBNL1 Products](#))

Background: This gene encodes a member of the muscleblind protein family which was initially described in *Drosophila melanogaster*. The encoded protein is a C3H-type zinc finger protein that modulates alternative splicing of pre-mRNAs. Muscleblind proteins bind specifically to expanded dsCUG RNA but not to normal size CUG repeats and may thereby play a role in the pathophysiology of myotonic dystrophy. Mice lacking this gene exhibited muscle abnormalities and cataracts. Several alternatively spliced transcript variants have been described but the full-length natures of only some have been determined. The different isoforms are thought to have different binding specificities and/or splicing activities.,MBNL1,EXP,MBNL,Epigenetics & Nuclear Signaling,RNA Binding,MBNL1

Molecular Weight: 33 kDa/34 kDa/36 kDa/37 kDa/39 kDa/40 kDa/41 kDa

Gene ID: 4154

UniProt: [Q9NR56](#)

Pathways: [Ribonucleoprotein Complex Subunit Organization](#)

## Application Details

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Application Notes: WB,1:500 - 1:2000,IF,1:50 - 1:100

Comment: HIGH QUALITY

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

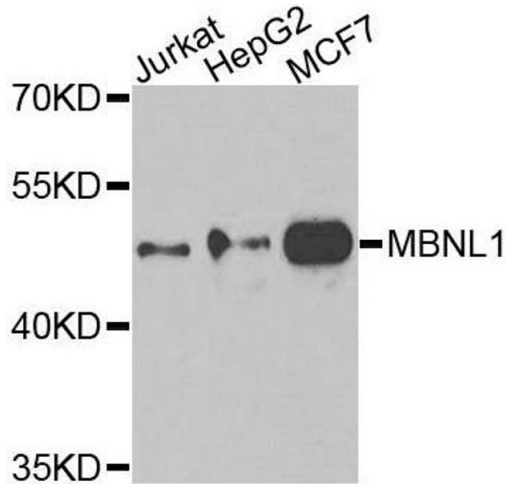
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Handling

Storage: -20 °C

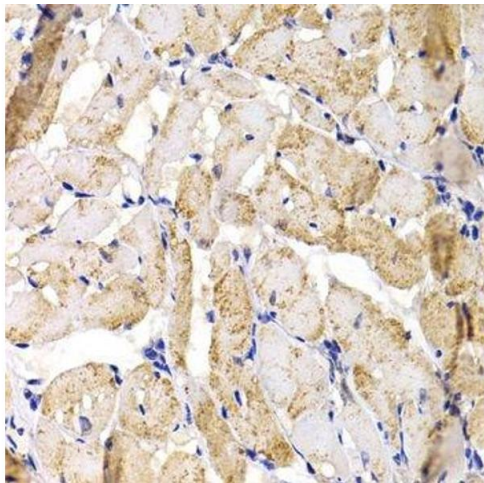
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

## Images



### Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using MBNL1 antibody.



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** Immunohistochemistry of paraffin-embedded rat heart using MBNL1 antibody.