

MBNL1 Rabbit mAb

Catalog No: #52797



Package Size: #52797-1 50ul #52797-2 100ul

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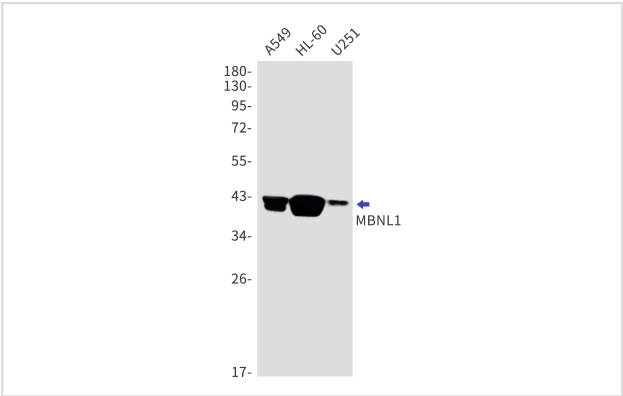
Description

Product Name	MBNL1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S02-4E4
Isotype	IgG
Purification	Affinity Purified
Applications	WB
Species Reactivity	Human,Mouse
Immunogen Description	A synthetic peptide of human MBNL1
Conjugates	Unconjugated
Modification	Unmodification
Other Names	EXP; MBNL
Accession No.	Swiss-Prot:Q9NR56GeneID:4154
Uniprot	Q9NR56
GeneID	4154
Calculated MW	Calculated MW:42 kDa,Observed MW:42 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Application Details

WB: 1/1000

Images



Western blot detection of MBNL1 in A549,HL-60,U251 cell lysates using MBNL1 Rabbit mAb(1:1000 diluted).Predicted band size:42kDa.Observed band size:42kDa.

Background

Mediates pre-mRNA alternative splicing regulation. Acts either as activator or repressor of splicing on specific pre-mRNA targets. Inhibits cardiac troponin-T (TNNT2) pre-mRNA exon inclusion but induces insulin receptor (IR) pre-mRNA exon inclusion in muscle. Antagonizes the alternative splicing activity pattern of CELF proteins. Regulates the TNNT2 exon 5 skipping through competition with U2AF2. Inhibits the formation of the spliceosome A complex on intron 4 of TNNT2 pre-mRNA. Binds to the stem-loop structure within the polypyrimidine tract of TNNT2 intron 4 during spliceosome assembly. Binds to the 5'-YGCU(U/G)Y-3'consensus sequence. Binds to the IR RNA. Binds to expanded CUG repeat RNA, which folds into a hairpin structure containing GC base pairs and bulged, unpaired U residues.

Note: This product is for in vitro research use only