

ARG64809 anti-MBNL1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes MBNL1
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog
Tested Application	WB
Specificity	This antibody is expected to recognize the reported isoforms (NP_066368.2; NP_997175.1; NP_997176.1; NP_997177.1; NP_997178.1; NP_997179.1)
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	MBNL1
Species	Human
Immunogen	C-SAEHLTSHKYVTQ
Conjugation	Un-conjugated
Alternate Names	Muscleblind-like protein 1; Triplet-expansion RNA-binding protein; MBNL; EXP

Application Instructions

Application table	Application	Dilution
	WB	1 - 3 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

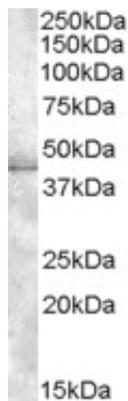
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 4154 Human Swiss-port # Q9NR56 Human
Gene Symbol	MBNL1
Gene Full Name	muscleblind-like splicing regulator 1
Function	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. [UniProt]
Research Area	Gene Regulation antibody
Calculated Mw	42 kDa

Images



ARG64809 anti-MBNL1 antibody WB image

Western Blot: HeLa lysate (35 µg protein in RIPA buffer) stained with ARG64809 anti-MBNL1 antibody at 1 µg/ml dilution.