Datasheet for ABIN6263151
anti-MBNL1 antibody (C-Term)
1 Image


Overview

| Quantity: | $100 \mu \mathrm{~L}$ |
| :--- | :--- |
| Target: | MBNL1 |
| Binding Specificity: | C-Term |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This MBNL1 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (IHC) |

Product Details

| Immunogen: | A synthesized peptide derived from human MBNL1, corresponding to a region within C-terminal <br> amino acids. |
| :--- | :--- |
| Isotype: | IgG |
| Specificity: | MBNL1 Antibody detects endogenous levels of total MBNL1. |
| Predicted Reactivity: | Pig,Zebrafish,Bovine,Horse,Sheep,Rabbit,Dog,Chicken |
| Purification: | The antiserum was purified by peptide affinity chromatography using SulfoLink ${ }^{\text {TM }}$ Coupling <br> Resin (Thermo Fisher Scientific). |
| Target Details | MBNL1 |

Target Details

| Alternative Name: | MBNL1 (MBNL1 Products) |
| :---: | :---: |
| Background: | Description: Mediates pre-mRNA alternative splicing regulation. Acts either as activator or repressor of splicing on specific pre-mRNA targets. Inhibits cardiac troponin-T (TNNT2) premRNA 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 $5^{\prime}$ -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. Gene: MBNL1 |
| Molecular Weight: | 42 kDa |
| Gene ID: | 4154 |
| UniProt: | Q9NR56 |
| Pathways: | Ribonucleoprotein Complex Subunit Organization |
| Application Details |  |
| Application Notes: | WB 1:1000-3000, IHC 1:50-1:200, ELISA(peptide) 1:20000-1:40000 |
| Restrictions: | For Research Use only |
| Handling |  |
| Format: | Liquid |
| Concentration: | $1 \mathrm{mg} / \mathrm{mL}$ |
| Buffer: | Rabbit IgG in phosphate buffered saline , $\mathrm{pH} 7.4,150 \mathrm{mM} \mathrm{NaCl}, 0.02 \%$ sodium azide and $50 \%$ glycerol. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | $-20^{\circ} \mathrm{C}$ |
| Storage Comment: | Store at $-20^{\circ} \mathrm{C}$. Stable for 12 months from date of receipt. |



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Western Blotting
Image 1. Western blot analysis of MBNL1 using HuvEc whole cell lysates
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