

Anti-MBNL3 Polyclonal Antibody

Product Details

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| Ig Type: | IgG |
| Reactivity: | Mouse (predicted:Human,Rat,Pig,Cow,Horse,Sheep) |
| Molecular Weight: | Theoretical: 39 kDa. |
| Purification: | Protein A purified |

Applications

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| Verified Activity: | Paraformaldehyde-fixed, paraffin embedded (Mouse placenta); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (MBNL3) Polyclonal Antibody, Unconjugated (TMAB-08647) at 1:500 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining. |
| Application: | IHC-P,IHC-Fr,IF |
| Recommended | IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500 |

Properties

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| Stability & Storage: | Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. |
| Shipping: | Shipping with blue ice. |

Antigen Details

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| Immunogen: | KLH conjugated synthetic peptide: human MBNL3 |
| Antigen Species: | Human |
| Gene ID: | 55796 |
| Uniprot ID: | Q9NUK0 |

Research Background

MBNL3 has been shown to inhibit muscle differentiation. MBNL3 belongs to a highly conserved family of tissue-specific alternative splicing regulators. This family is known to regulate terminal muscle differentiation through alternative splicing control and several groups have suggested that the family participates in the differentiation of photoreceptors, neurons, adipocytes and blood cell types. MBNL3 is expressed in myoblasts, muscle precursor cells, and during the early stages of myogenesis, but is detected at very low levels in terminally differentiated myotubes. MBNL proteins have been shown to sequester foci of expanded-repeat transcripts and are thought to therefore play a role in the molecular pathology of a group of neuromuscular diseases including the Myotonic Dystrophies.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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