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Mbnl2 Antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI11828

Product Information

Application	WB
Primary Accession	F2Z3T4
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40156

Additional Information

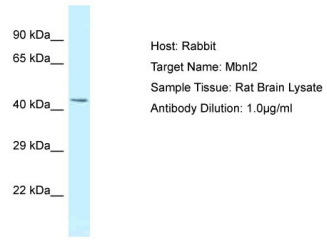
Gene ID	680445
Other Names	Muscleblind-like protein 2, Mbnl2
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 &mu, l of distilled water. Final Anti-Mbnl2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.
Precautions	Mbnl2 Antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Mbnl2
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. RNA-binding protein that binds to 5'ACACCC-3' core sequence, termed zipcode, within the 3'UTR of ITGA3. Binds to CUG triplet repeat expansion in myotonic dystrophy muscle cells by sequestering the target RNAs. Together with RNA binding proteins RBPMS and RBFOX2, activates vascular smooth muscle cells alternative splicing events (PubMed:37548402). Regulates NCOR2 alternative splicing (PubMed:31283468). Seems to regulate expression and localization of ITGA3 by transporting it from the nucleus to cytoplasm at adhesion plaques. May play a role in myotonic dystrophy pathophysiology (DM) (By similarity).

Cellular Location	Nucleus {ECO:0000250|UniProtKB:Q5VZF2}. Cytoplasm {ECO:0000250|UniProtKB:Q5VZF2}. Note=Greater concentration in the nucleus. Expressed in or near large cytoplasmic adhesion plaques Location in the cytoplasm is microtubule-dependent {ECO:0000250|UniProtKB:Q5VZF2}
Tissue Location	Expressed in the cerebellum, pineal gland and skeletal muscle. In the pineal gland, expressed in pinealocytes, not in perivascular spaces (at protein level).

Images



Host: Rabbit
Target Name: Mbnl2
Sample Tissue: Rat Brain lysates
Antibody Dilution: 1.0µg/ml

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.