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Datasheet for ABIN7126833 **anti-MBNL3 antibody**

Overview

Quantity:	100 µg
Target:	MBNL3
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MBNL3 antibody is un-conjugated
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	Recombinant full-length human MBNL3 protein
Isotype:	IgG2b
Specificity:	<p>Pre-mRNA splicing is a critical step in the posttranscriptional regulation of gene expression. Several protein complexes are involved in proper mRNA splicing and transport. The muscleblind proteins, MBNL1, MBNL2 and MBNL3, promote inclusion or exclusion of specific exons on different pre-mRNAs by antagonizing the activity of CUG-BP and ETR-3-like factors bound to distinct intronic sites. MBNL1 and 2, which associate with expanded CUG repeats in vitro, localize to the nuclear foci in both DM1 and DM2 (myotonic dystrophy types 1 and 2), suggesting that the nuclear accumulation of mutant RNA is pathogenic in DM1, therefore implicating MBNL1 and 2 in the pathogenesis of both disorders. MBNL3, a 354 amino acid protein, inhibits expression of muscle differentiation, opposite to the function of MBNL1, which functions as a promoter of muscle differentiation. MBNL3 shows strong expression in placenta.</p>
Cross-Reactivity (Details):	Human

Product Details

Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	MBNL3
Alternative Name:	MBNL3 (MBNL3 Products)
Background:	CHCR, Cys3His CCG1 required protein, MBLX, MBLX39, Muscleblind like protein 3, Muscleblind like splicing regulator 3, Muscleblind-like X-linked protein, Protein HCHCR, RP23-98P13.1,MBNL3 Cellular localisation: Nucleus. Cytoplasm. Greater concentration in the nucleus. In both DM1 and DM2 patients, colocalizes with nuclear foci of retained expanded-repeat transcripts.
Molecular Weight:	39kDa
Gene ID:	55796
UniProt:	Q9NUK0
Pathways:	Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development

Application Details

Application Notes:	Known_Application: Flow Cytometry (1-2 µg/million cells), ,Optimal dilution for a specific application should be determined. Positive_Control: HeLa or MCF7 cells.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C,-80 °C
Storage Comment:	Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.
Expiry Date:	24 months