

For Research Use Only

# CoraLite®594-conjugated MBNL1 Monoclonal antibody

Catalog Number:CL594-66837



## Basic Information

<b>Catalog Number:</b> CL594-66837	<b>GenBank Accession Number:</b> BC050535	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4154	<b>CloneNo.:</b> 1H2C12
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9NR56	<b>Recommended Dilutions:</b> IF/ICC 1:50-1:500
<b>Isotype:</b> IgG1	<b>Full Name:</b> muscleblind-like (Drosophila)	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Immunogen Catalog Number:</b> AG7752	<b>Calculated MW:</b> 42 kDa	
	<b>Observed MW:</b> 40 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF/ICC : A431 cells,
<b>Species Specificity:</b> Human, mouse, rat, pig	

## Background Information

MBNL1 (muscleblind-like 1) is one of the MBNL proteins containing 3 members (MBNL1-3) in vertebrates. And MBNL1 is widely expressed in adult tissues including brain, heart and skeletal muscle (PMID:25274774). As a highly conserved RNA-binding protein, MBNL1 regulates alternative splicing, alternative polyadenylation, mRNA stability and mRNA localization in the nucleus. The neurological diseases DM1 and DM2 (myotonic dystrophy type 1 and type2) are caused by expansion of repetitive sequences in non-coding regions in the DMPK gene because of the inappropriate patterns of alternative splicing owing to MBNL1(PMID:24354850). The antibody could recognize the common full-length protein in applications.

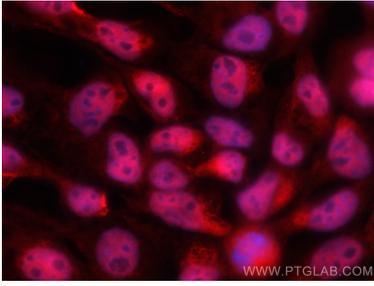
## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed A431 cells using CoraLite@594 MBNL1 antibody (CL594-66837, Clone: 1H2C12) at dilution of 1:200.