

Product datasheet

Anti-Muscleblind-like 1 antibody ab50635

1 图像

概述

产品名称	Anti-Muscleblind-like 1 抗体
描述	兔多克隆抗体 to Muscleblind-like 1
宿主	Rabbit
经测试应用	适用于: WB, ELISA
种属反应性	与反应: Human 预测可用于: Dog
免疫原	A region within synthetic peptide: QVFPSLQQPQ PTSPILDAST LLGATSCPAA AGKMPIISA EHLTSHKYVT, corresponding to C terminal amino acids 289-338 of Human Muscleblind-like 1 Run BLAST with ExPASy Run BLAST with NCBI
阳性对照	Jurkat cell lysate

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	Preservative: None Constituents: 2% Sucrose, PBS
纯度	Protein A purified
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab50635** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

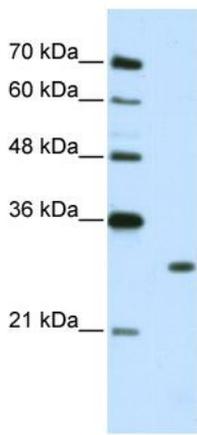
应用	Ab 评论	说明
WB		Use a concentration of 2.5 µg/ml. Predicted molecular weight: 37 kDa. Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.

应用	Ab评论	说明
ELISA		Use at an assay dependent concentration. ELISA titre using peptide based assay: 1/62500.

靶标

功能	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. 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'-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.
组织特异性	Highly expressed in cardiac, skeletal muscle and during myoblast differentiation. Weakly expressed in other tissues (at protein level). Expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas.
疾病相关	Plays a role in the pathogenesis of dystrophia myotonica type 1 (DM1) [MIM:160900]. A muscular disorder characterized by myotonia, muscle wasting in the distal extremities, cataract, hypogonadism, defective endocrine functions, male baldness and cardiac arrhythmias. Note=In muscle cells from DM1 patients, MBNL1 is sequestered by DMPK RNAs containing CUG triplet repeat expansions. MBNL1 binding is proportional to repeat length consistent with the direct correlation between the length of repeat expansion and disease severity.
序列相似性	Belongs to the muscleblind family. Contains 4 C3H1-type zinc fingers.
细胞定位	Nucleus. Cytoplasm. Cytoplasmic granule. Localized with DDX1, TIAL1 and YBX1 in stress granules upon stress. Localized in the cytoplasm of multinucleated myotubes. Colocalizes with nuclear foci of retained expanded-repeat transcripts in myotubes from patients affected by myotonic dystrophy.

图片



Western blot - Anti-Muscleblind-like 1 antibody
(ab50635)

Lane 1 : Marker

Lane 2 : Anti-Muscleblind-like 1 antibody
(ab50635) at 2.5 µg/ml

Lane 1 : Marker

Lane 2 : Jurkat cell lysate at 10 µg

Secondary

Lane 2 : HRP conjugated anti-Rabbit IgG at
1/50000 dilution

Predicted band size: 37 kDa

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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