

### Anti-MBNL1 antibody [1D11] ab77017

**3 References**   [画像数 2](#)

#### 製品の概要

製品名	Anti-MBNL1 antibody [1D11]
製品の詳細	Mouse monoclonal [1D11] to MBNL1
由来種	Mouse
アプリケーション	<b>適用あり:</b> WB
種交差性	<b>交差種:</b> Human
免疫原	Recombinant full length protein corresponding to Human MBNL1. (AAH50535)
ポジティブ・コントロール	HeLa whole cell lysate ( <a href="#">ab150035</a> ); recombinant full length human MBNL1 (the immunogen).
特記事項	<p>This product was changed from ascites to tissue culture supernatant on 30th May 2019. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
バッファー	pH: 7.40 Constituent: PBS
精製度	Tissue culture supernatant
特記事項 (精製)	Purified from TCS.
ポリ/モノ	モノクローナル
クローン名	1D11
アイソタイプ	IgG1
軽鎖の種類	kappa

## アプリケーション

The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab77017の使用に適用されます**

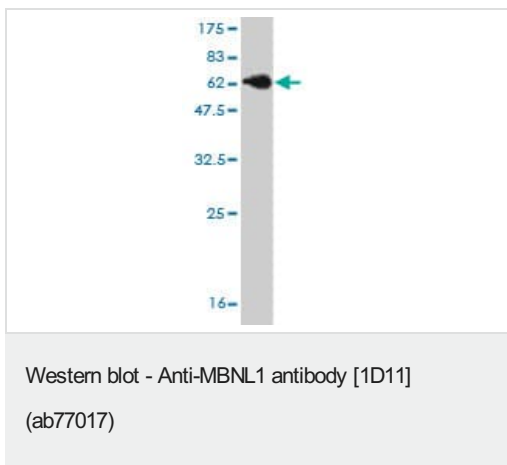
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
WB		Use at an assay dependent concentration. Predicted molecular weight: 41 kDa.

## ターゲット情報

機能	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.
組織特異性	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.
関連疾患	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.
配列類似性	Belongs to the muscleblind family. Contains 4 C3H1-type zinc fingers.
細胞内局在	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.

## 画像



Anti-MBNL1 antibody [1D11] (ab77017) at 5 µg/ml + recombinant tagged full length human MBNL1 at 0.2 µg

#### Secondary

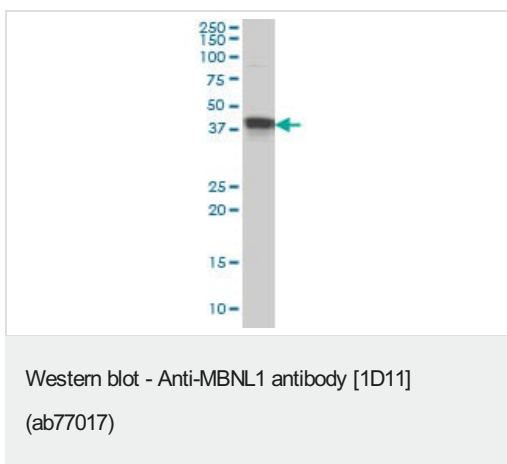
Goat anti-Mouse IgG (H&L)-HRP at 1/5000 dilution

**Predicted band size:** 41 kDa

**Observed band size:** 64 kDa

Molecular weight of the tag alone is 26 kDa.

This image was generated using the ascites version of the product.



Anti-MBNL1 antibody [1D11] (ab77017) at 1/500 dilution + HeLa cell lysate at 25 µg

#### Secondary

Goat anti-Mouse IgG (H&L)-HRP at 1/2500 dilution

**Predicted band size:** 41 kDa

**Observed band size:** 41 kDa

This image was generated using the ascites version of the product.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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