

# Anti-beta Dystroglycan (phospho Y892) antibody [M117] ab29037

画像数 2

### 製品の概要

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製品名	Anti-beta Dystroglycan (phospho Y892) antibody [M117]
製品の詳細	Mouse monoclonal [M117] to beta Dystroglycan (phospho Y892)
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	Synthetic peptide corresponding to Human beta Dystroglycan (phospho Y892) conjugated to keyhole limpet haemocyanin.
ポジティブ・コントロール	HepG2 cells or HeLa cells treated with pervanadate.
特記事項	<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

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製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	Preservative: 0.05% Sodium azide Constituents: 50% Glycerol, 0.1% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	M117
アイソタイプ	IgG

### アプリケーション

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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ab29037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		

#### 追加情報

ELISA: 1/2000.

WB: 1/1000. Membrane was incubated with diluted antibody in 5% non fat milk, PBS, 0.04% Tween 20 for 1 hour at room temperature. Predicted molecular weight: 97 kDa (Dystroglycan is expressed as a precursor protein that is cleaved into alpha and beta dystroglycan. The beta dystroglycan fragment is about 43 kDa).

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

#### ターゲット情報

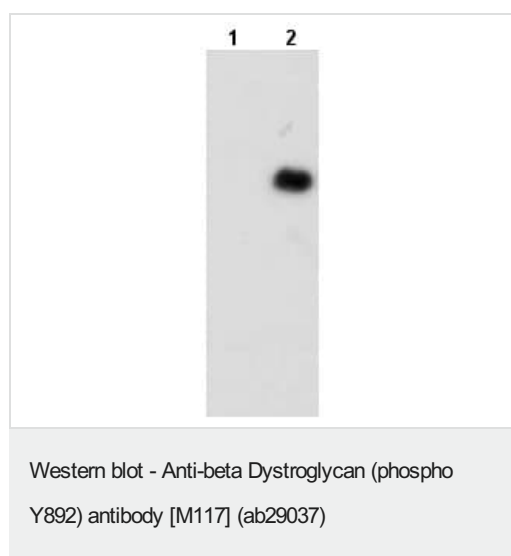
##### 関連性

Dystroglycans are essential elements of the neuromuscular junction (NMJ). The gene for dystroglycan is expressed as a precursor protein that is post translationally cleaved into a 156 kDa extracellular peripheral membrane protein called alpha dystroglycan and a 43 kDa transmembrane protein, beta dystroglycan. The latter protein contains a PPxY motif that promotes binding to WW domain containing proteins, such as utrophin and dystrophin. Phosphorylation at tyrosine 892 within the PPxY motif may regulate c Src interactions with beta dystroglycan, as well as inhibit interactions with WW domain proteins. In skeletal muscle, beta dystroglycan is normally localized to the plasma membrane, however phosphorylation of Tyr892 leads to localization of beta dystroglycan to endosomal compartments along with c Src. Thus, phosphorylation at Tyr892 may have important roles in altering the localization of beta dystroglycan during NMJ formation.

##### 細胞内局在

Type I membrane protein.

#### 画像



**All lanes :** Anti-beta Dystroglycan (phospho Y892) antibody [M117] (ab29037)

**Lane 1 :** Lysates from HepG2 cells (untreated)

**Lane 2 :** Lysates from HepG2 cells treated with pervanadate (1 mM) for 30 min

Lysates/proteins at 20 µg per lane.

**Predicted band size:** 97 kDa

**Observed band size:** 43 kDa

Dystroglycan is expressed as a precursor protein (97kDa) that is

cleaved into alpha and beta dystroglycan. The beta dystroglycan fragment is about 43 kDa.



Western blot analysis of HepG2 cells untreated (lanes 1 & 3) or treated with pervanadate (1 mM) for 30 min (lanes 2 & 4). Blots were probed with anti-beta-dystroglycan (lanes 1 & 2) and anti-beta-dystroglycan (Tyr-892) (lanes 3 & 4).

Western blot - Anti-beta Dystroglycan (phospho Y892) antibody [M117] (ab29037)

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

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