



# Mouse anti-Mouse Dystrobrevin monoclonal antibody, clone 34 (CABT-B9201)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

Immunogen	Mouse Dystrobrevin aa. 249-403
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Rat, Mouse, Rabbit
Clone	34
Purification	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
Conjugate	Unconjugated
Applications	WB; IHC; IP; IF
Format	Liquid
Concentration	250 µg/ml
Size	50 µg
Buffer	Aqueous buffered solution containing BSA, glycerol, and ≤0.09% sodium azide.
Storage	Store undiluted at -20°C.

## BACKGROUND

Introduction	Acetylcholine receptor clustering is considered an early event and a marker for synaptogenesis
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between a motor neuron and a muscle fiber. This process is mediated by the extracellular protein Agrin which binds to  $\alpha$  and  $\beta$  Dystroglycan, previously discovered as Dystrobrevin-associated proteins. Dystrobrevin binds to the actin cytoskeleton by its N-terminal domain, thus providing the link between the actin cytoskeleton and receptor clustering. In Torpedo electric organ, Dystrobrevin is a prominent phosphotyrosine-containing protein. Murine Dystrobrevins comprise a family of four related proteins (1-4) with similar function, generated by alternative splicing. Dystrobrevin-1 is 688 amino acids and has an apparent mobility of 87kDa. Dystrobrevin-2 shares almost identical sequence with Dystrobrevin-1 in the first 500 amino acids and has an apparent mobility of 59kDa.

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**Keywords**

DTNA; dystrobrevin, alpha; DTN; DRP3; DTN-A; LVNC1; D18S892E; dystrobrevin alpha; dystrophin-related protein 3;

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## GENE INFORMATION

**Entrez Gene ID**

[1837](#)

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**UniProt ID**

[Q9Y4J8](#)

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