

**DTNB Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9187b****Specification**

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**DTNB Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [O60941](#)**DTNB Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 1838**Other Names**

Dystrobrevin beta, DTN-B, Beta-dystrobrevin, DTNB

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP9187b](/products/AP9187b) was selected from the C-term region of human DTNB. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**DTNB Antibody (C-term) Blocking Peptide - Protein Information****Name** DTNB ([HGNC:3058](#))**Function**

Scaffolding protein that assembles DMD and SNTA1 molecules to the basal membrane of kidney cells and liver sinusoids (By similarity). May function as a repressor of the SYN1 promoter through the binding of repressor element-1 (RE-1), in turn regulates SYN1 expression and may be involved in cell proliferation regulation during the early phase of neural differentiation (PubMed:[27223470](http://www.uniprot.org/citations/27223470)). May be required for proper maturation and function of a subset of inhibitory synapses (By similarity).

**Cellular Location**

Cytoplasm. Postsynaptic density {ECO:0000250|UniProtKB:P84060}. Cell projection, dendrite {ECO:0000250|UniProtKB:O70585}. Basal cell membrane {ECO:0000250|UniProtKB:O70585}. Postsynapse {ECO:0000250|UniProtKB:O70585}. Nucleus Note=Localized at inhibitory synapses on the dendrites of cerebellar Purkinje cells. {ECO:0000250|UniProtKB:O70585}

**Tissue Location**

Highly expressed in brain, kidney and pancreas.

**DTNB Antibody (C-term) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**DTNB Antibody (C-term) Blocking Peptide - Images****DTNB Antibody (C-term) Blocking Peptide - Background**

DTNB encodes dystrobrevin beta, a component of the dystrophin-associated protein complex (DPC). The DPC consists of dystrophin and several integral and peripheral membrane proteins, including dystroglycans, sarcoglycans, syntrophins and dystrobrevin alpha and beta. The DPC localizes to the sarcolemma and its disruption is associated with various forms of muscular dystrophy. Dystrobrevin beta is thought to interact with syntrophin and the DP71 short form of dystrophin.

**DTNB Antibody (C-term) Blocking Peptide - References**

Gudbjartsson,D.F., et.al., Nat. Genet. 40 (5), 609-615 (2008)Nazarian,R., et.al., Biochem. J. 395 (3), 587-598 (2006)