10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# DTNA Antibody (C-term) Blocking peptide
**Synthetic peptide**
**Catalog # BP12573b**

## Specification

### DTNA Antibody (C-term) Blocking peptide - Product Information

Primary Accession Q9Y4J8

### DTNA Antibody (C-term) Blocking peptide - Additional Information

**Gene ID** 1837

**Other Names**
Dystrobrevin alpha, DTN-A, Alpha-dystrobrevin, Dystrophin-related protein 3, DTNA, DRP3

**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.

### DTNA Antibody (C-term) Blocking peptide - Protein Information

**Name** DTNA (HGNC:3057)

**Synonyms** DRP3

**Function**
May be involved in the formation and stability of synapses as well as being involved in the clustering of nicotinic acetylcholine receptors.

**Cellular Location**
Cytoplasm. Synapse. Cell membrane. Note=In peripheral nerves, colocalizes with MAGEE1 in the Schwann cell membrane.

**Tissue Location**
Highly expressed in brain, skeletal and cardiac muscles, and expressed at lower levels in lung, liver and pancreas Isoform 2 is not expressed in cardiac muscle. Isoform 7 and isoform 8 are only expressed in muscle

### DTNA Antibody (C-term) Blocking peptide - Protocols

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

- Blocking Peptides

**DTNA Antibody (C-term) Blocking peptide - Images**

**DTNA Antibody (C-term) Blocking peptide - Background**

The protein encoded by this gene belongs to thedystrobrevin subfamily of the dystrophin family. This protein is acomponent of the dystrophin-associated protein complex (DPC), whichconsists of dystrophin and several integral and peripheral membraneproteins, including dystroglycans, sarcoglycans, syntrophins andalpha- and beta-dystrobrevin. The DPC localizes to the sarcolemmaand its disruption is associated with various forms of musculardystrophy. Mutations in this gene are associated with leftventricular noncompaction with congenital heart defects. Multiplealternatively spliced transcript variants encoding differentisoforms have been identified for this gene.

**DTNA Antibody (C-term) Blocking peptide - References**

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Bohm, S.V., et al. BMC Biol. 7, 85 (2009) :Nakamori, M., et al. Neurology 70(9):677-685(2008)Lamesch, P., et al. Genomics 89(3):307-315(2007)Lim, J., et al. Cell 125(4):801-814(2006)