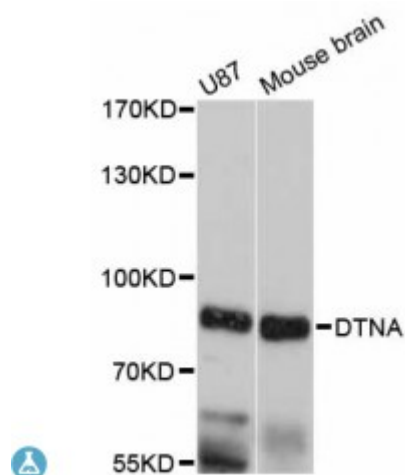


Anti-DTNA Antibody



Description

The protein encoded by this gene belongs to the dystrobrevin subfamily of the dystrophin family. This protein is a component of the dystrophin-associated protein complex (DPC), which consists of dystrophin and several integral and peripheral membrane proteins, including dystroglycans, sarcoglycans, syntrophins and alpha- and beta-dystrobrevin. The DPC localizes to the sarcolemma and its disruption is associated with various forms of muscular dystrophy. Mutations in this gene are associated with left ventricular noncompaction with congenital heart defects. Multiple alternatively spliced transcript variants encoding different isoforms have been identified for this gene.

Model	STJ113966
Host	Rabbit
Reactivity	Human, Mouse
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 240-480 of human DTNA (NP_001381.2).
Gene ID	1837
Gene Symbol	DTNA
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	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
Purification	Affinity purification

Note	For Research Use Only (RUO).
Protein Name	Dystrobrevin alpha DTN-A Alpha-dystrobrevin Dystrophin-related protein 3
Molecular Weight	83.901 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:3057OMIM:601239
Alternative Names	Dystrobrevin alpha DTN-A Alpha-dystrobrevin Dystrophin-related protein 3
Function	May be involved in the formation and stability of synapses as well as being involved in the clustering of nicotinic acetylcholine receptors
Cellular Localization	Cytoplasm, Cell junction, synapse, Cell membrane
Post-translational Modifications	Phosphorylation of DTN-1 on tyrosine kinase substrate domain present in the C-terminus,

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