

DTNB Rabbit pAb

DTNB Rabbit pAb
Catalog # AP58075

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	O60941
Reactivity	Rat
Predicted	Dog, Human, Mouse, Rabbit, Chicken, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	71356
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DTNB
Epitope Specificity	261-370/627
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Dystrobrevin beta is a component of the dystrophin-associated protein complex and interacts with dystrophin short form DP71, syntrophins SNTG1 and SNTG2. It localizes to the sarcolemma and its disruption is associated with various forms of muscular dystrophy. 4 isoforms produced by alternative splicing have been identified.

Additional Information

Gene ID	1838
Other Names	Dystrobrevin beta, DTN-B, Beta-dystrobrevin, DTNB (HGNC:3058)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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](#)). 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}

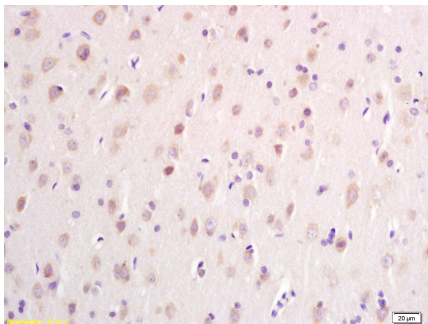
Tissue Location

Highly expressed in brain, kidney and pancreas.

Background

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Images



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-DTNB Polyclonal Antibody, Unconjugated(AP58075) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.