

Datasheet for ABIN951988  
**anti-DTNA antibody (C-Term)**

## 3 Images

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## Overview

Quantity:	0.4 mL
Target:	DTNA
Binding Specificity:	AA 691-721, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DTNA antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	KLH conjugated synthetic peptide between 691-721 amino acids from the C-terminal region of Human DTNA.
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human and Mouse DTNA / DRP3 (C-term).
Purification:	Affinity Chromatography on Protein A

## Target Details

Target:	DTNA
Alternative Name:	DTNA / DRP3 ( <a href="#">DTNA Products</a> )

## Target Details

**Background:** 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. Synonyms: Alpha-dystrobrevin, Dystrobrevin alpha, Dystrophin-related protein 3

**Molecular Weight:** 83901 Da

**Gene ID:** 1837

**NCBI Accession:** [NP\\_001381](#)

## Application Details

**Application Notes:** Optimal working dilution should be determined by the investigator.

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Concentration:** 0.25 mg/mL

**Buffer:** PBS with 0.09 % (W/V) Sodium Azide as preservative

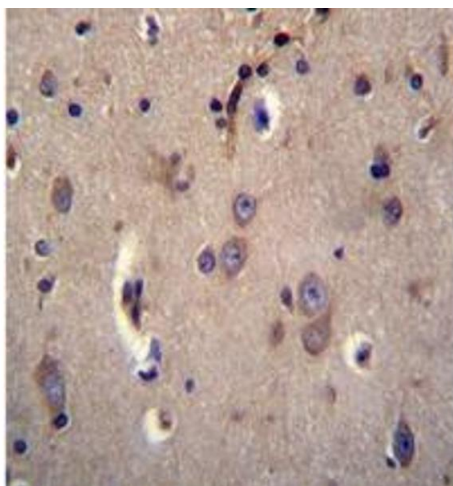
**Preservative:** Sodium azide

**Precaution of Use:** This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

**Handling Advice:** Avoid repeated freezing and thawing.

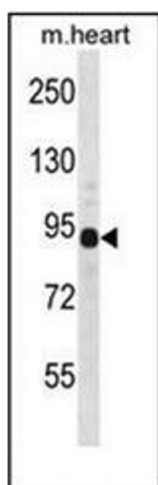
**Storage:** 4 °C/-20 °C

**Storage Comment:** Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



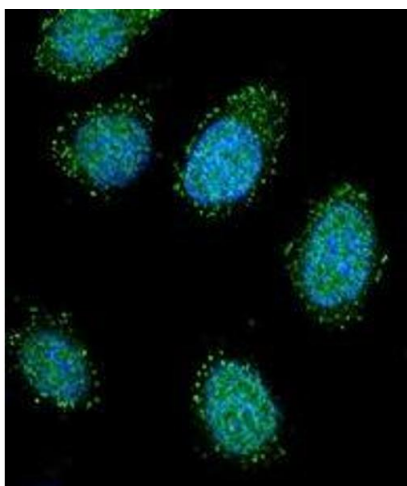
#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin fixed and paraffin embedded human brain tissue stained with DTNA / DRP3 Antibody (C-term) followed by peroxidase conjugation of the secondary antibody and DAB staining.



#### Western Blotting

**Image 2.** Western blot analysis of DTNA / DRP3 Antibody (C-term) in mouse heart tissue lysates (35ug/lane). This demonstrates the DTNA antibody detected the DTNA protein (arrow).



#### Immunofluorescence

**Image 3.** Confocal immunofluorescent analysis of DTNA / DRP3 Antibody (C-term) Cat.-No AP51329PU-N with 293 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).