Datasheet for ABIN7172220

anti-Titin antibody (AA 5398-5604)

3 Images

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Overview

Quantity:	100 µg
Target:	Titin (TTN)
Binding Specificity:	AA 5398-5604
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Titin antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Titin protein (5398-5604AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	Titin (TTN)
Alternative Name:	TTN (TTN Products)
Background:	Background: Key component in the assembly and functioning of vertebrate striated muscles. By providing connections at the level of individual microfilaments, it contributes to the fine balance

Target Details

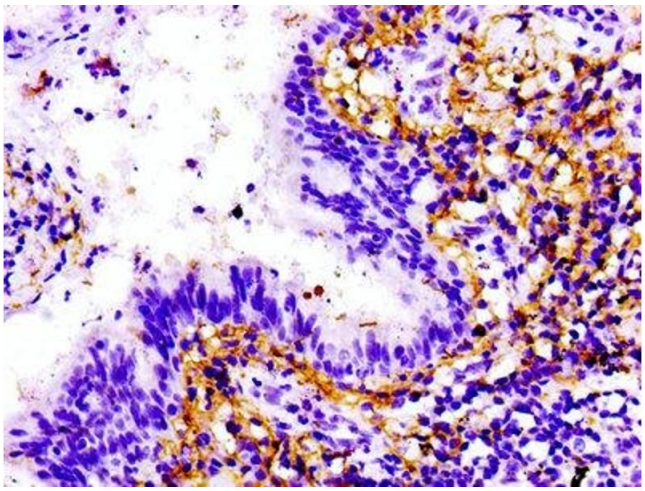
	of forces between the two halves of the sarcomere. The size and extensibility of the cross-links are the main determinants of sarcomere extensibility properties of muscle. In non-muscle cells, seems to play a role in chromosome condensation and chromosome segregation during mitosis. Might link the lamina network to chromatin or nuclear actin, or both during interphase. Aliases: MPRM antibody, Cardiomyopathy dilated 1G (autosomal dominant) antibody, CMD1G antibody, CMH 9 antibody, CMH9 antibody, CMPD 4 antibody, CMPD4 antibody, Connectin antibody, DKFZp451N061 antibody, EOMFC antibody, FLJ26020 antibody, FLJ26409 antibody, FLJ32040 antibody, FLJ34413 antibody, FLJ39564 antibody, FLJ43066 antibody, HMERF antibody, LGMD2J antibody, MU RMS 40.14 antibody, MYLK5 antibody, Rhabdomyosarcoma antigen antibody, Rhabdomyosarcoma antigen MU RMS 40.14 antibody, Rhabdomyosarcoma antigen MU-RMS-40.14 antibody, Titin antibody, TITIN_HUMAN antibody, TMD antibody, TTN antibody
UniProt:	Q8WZ42

Application Details

Application Notes:	Recommended dilution: IHC:1:20-1:200, IF:1:50-1:200,
Restrictions:	For Research Use only

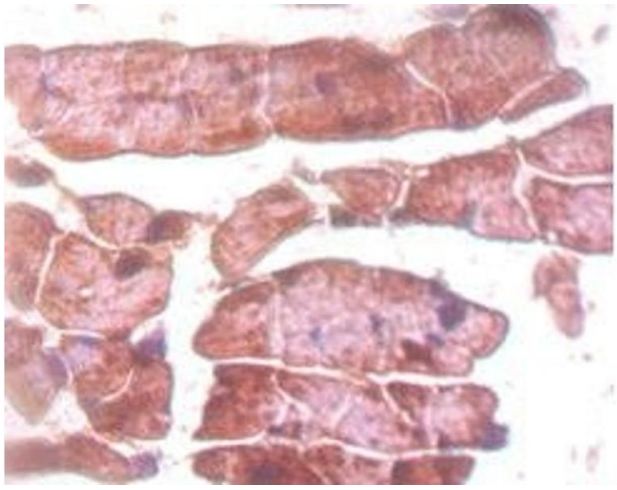
Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



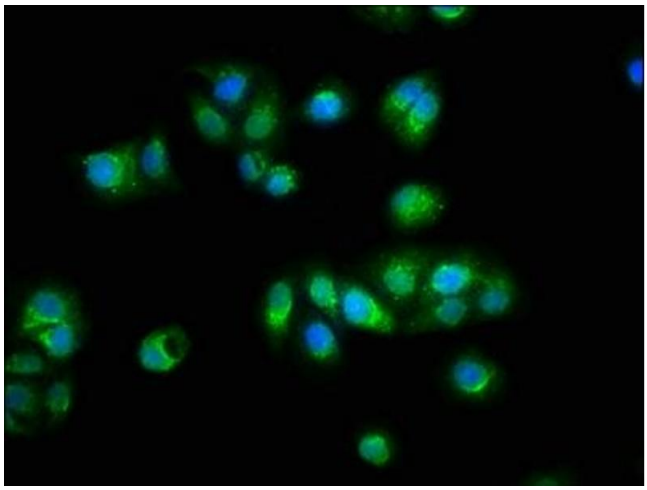
Immunohistochemistry

Image 1. IHC image of ABIN7172220 diluted at 1:100 and staining in paraffin-embedded human lung cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunohistochemistry

Image 2. Immunohistochemistry of paraffin-embedded mouse heart tissue using ABIN7172220 at dilution of 1:50



Immunofluorescence

Image 3. Immunofluorescence staining of HepG2 cells with ABIN7172220 at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).

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