

# Product Datasheet

## TRIM32 Antibody NBP1-33737

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



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### Publications: 3

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**NBP1-33737**

## TRIM32 Antibody

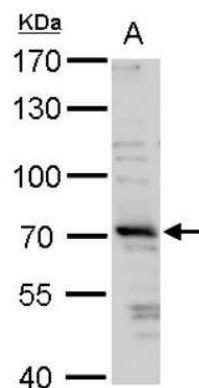
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Thimerosal
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS, 1% BSA, 20% Glycerol
Target Molecular Weight	72 kDa

Product Description	
Description	Novus Biologicals Rabbit TRIM32 Antibody (NBP1-33737) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-TRIM32 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	22954
Gene Symbol	TRIM32
Species	Human, Mouse
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Cat (98%), Bovine (88%).
Immunogen	Recombinant protein encompassing a sequence within the center region of human TRIM32. The exact sequence is proprietary.

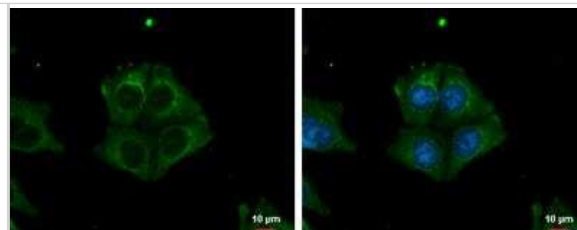
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500-1:20000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000

**Images**

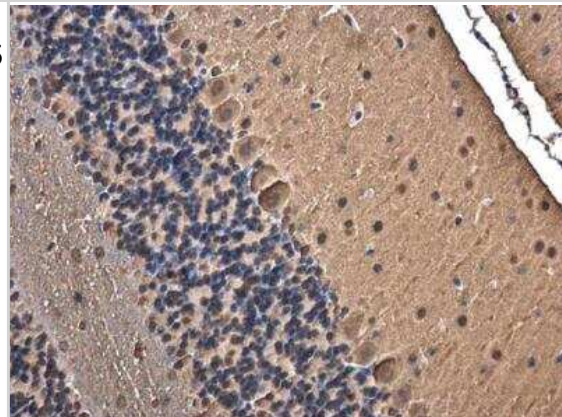
Western Blot: TRIM32 Antibody [NBP1-33737] - A. 30 ug 293T whole cell lysate/extract 7.5 % SDS-PAGE TRIM32 antibody dilution: 1:1000



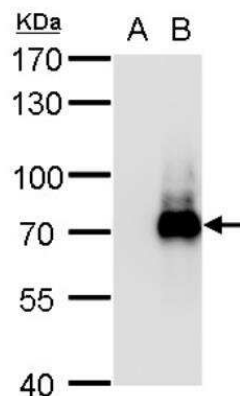
Immunocytochemistry/Immunofluorescence: TRIM32 Antibody [NBP1-33737] - A375 cells were fixed in ice-cold MeOH for 5 min. Green: TRIM32 protein stained by TRIM32 antibody diluted at 1:500. Blue: Hoechst 33342 staining. Scale bar = 10  $\mu$ m.



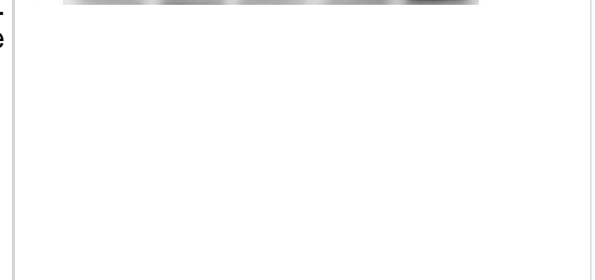
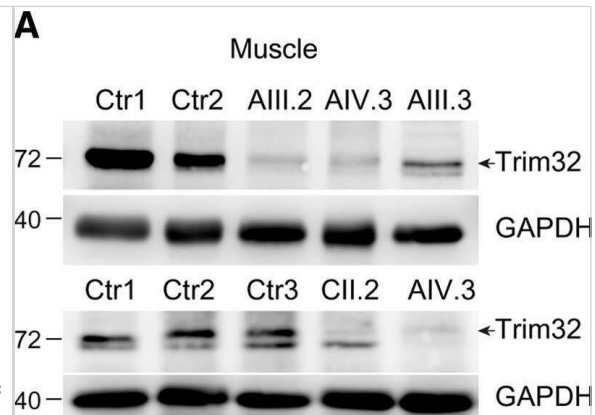
Immunohistochemistry-Paraffin: TRIM32 Antibody [NBP1-33737] - Mouse brain diluted at 1:400. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



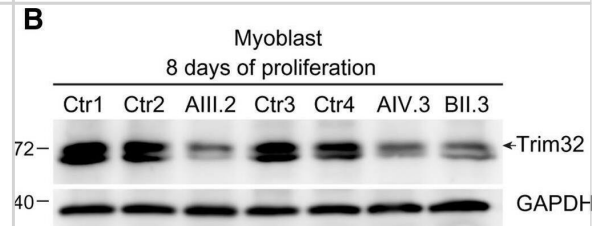
Western Blot: TRIM32 Antibody [NBP1-33737] - A. 5  $\mu$ g 293T whole cell lysate/extract B. 5  $\mu$ g whole cell lysate/extract of DDDDK-human TRIM32-transfected 293T cells 7.5 % SDS-PAGE TRIM32 antibody dilution: 1:20000



Reduced TRIM32 protein level associated with p.V591 M, p.N217S/F568del and p.C39LfsX17 mutations. a, b Western blot analysis of a muscle derived from biopsies of family A patients, family C patient and healthy controls, and b primary myoblasts from family A patients, family B patient, and healthy controls. Anti-TRIM32 antibody revealed a remarkable reduction of TRIM32 protein level in TRIM32V591M, TRIM32N217S/F568del and TRIM32C39LfsX17 samples compared with controls. An anti-GAPDH blot is shown as a loading control. Arrows indicate the correct band at 72 kDa. c. Immunofluorescence staining and quantification of the percentage of TRIM32+ cells (arrowheads) in primary myoblasts at 8 days growing in proliferation medium from family A patients (n = 2), family B patients (n = 2) and healthy controls (n = 7). Images show TRIM32 fluorescence (red). Cells were counterstained with Topro 3 (blue) to visualize the nuclei. The percentage of TRIM32+ cells was significantly lower in TRIM32V591M and TRIM32N217S/F568del myoblasts than in controls. Data from 9 to 31 independent fields were analyzed per condition. Mean +/- SEM; Kruskal-Wallis with Dunn's multiple comparison test. Scale bar, 50  $\mu$ m Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/30823891>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Reduced TRIM32 protein level associated with p.V591 M, p.N217S/F568del and p.C39LfsX17 mutations. a, b Western blot analysis of a muscle derived from biopsies of family A patients, family C patient and healthy controls, and b primary myoblasts from family A patients, family B patient, and healthy controls. Anti-TRIM32 antibody revealed a remarkable reduction of TRIM32 protein level in TRIM32V591M, TRIM32N217S/F568del and TRIM32C39LfsX17 samples compared with controls. An anti-GAPDH blot is shown as a loading control. Arrows indicate the correct band at 72 kDa. c. Immunofluorescence staining and quantification of the percentage of TRIM32+ cells (arrowheads) in primary myoblasts at 8 days growing in proliferation medium from family A patients (n = 2), family B patients (n = 2) and healthy controls (n = 7). Images show TRIM32 fluorescence (red). Cells were counterstained with Topro 3 (blue) to visualize the nuclei. The percentage of TRIM32+ cells was significantly lower in TRIM32V591M and TRIM32N217S/F568del myoblasts than in controls. Data from 9 to 31 independent fields were analyzed per condition. Mean +/- SEM; Kruskal-Wallis with Dunn's multiple comparison test. Scale bar, 50  $\mu$ m Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/30823891>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



## Publications

Servian-Morilla E, Cabrera-Serrano M, Rivas-Infante E et al. Altered myogenesis and premature senescence underlie human TRIM32-related myopathy *Acta Neuropathol Commun* 2019-03-01 [PMID: 30823891] (WB, IF/IHC, Human)

Assereto S, Piccirillo R, Baratto S et al. The ubiquitin ligase tripartite-motif-protein 32 is induced in Duchenne muscular dystrophy. *Lab Invest* 2016-06-13 [PMID: 27295345] (WB, Mouse)

Fatima M, Kumari R, Schwamborn JC et al. Tripartite containing motif 32 modulates proliferation of human neural precursor cells in HIV-1 neurodegeneration. *Cell Death Differ.* 2015-11-20 [PMID: 26586575] (IHC-P, Human)



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### **Products Related to NBP1-33737**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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