

Product Datasheet

TRIM32 Antibody (2E5) - Azide and BSA Free H00022954-M09

Unit Size: 0.1 mg

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

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H00022954-M09

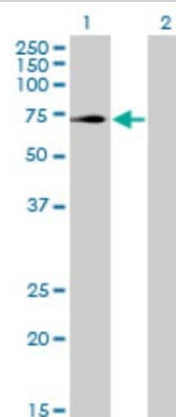
TRIM32 Antibody (2E5) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
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	Monoclonal
Clone	2E5
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Novus Biologicals Mouse TRIM32 Antibody (2E5) - Azide and BSA Free (H00022954-M09) is a monoclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. Anti-TRIM32 Antibody: Cited in 10 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	22954
Gene Symbol	TRIM32
Species	Human, Mouse
Specificity/Sensitivity	TRIM32 (2E5)
Immunogen	TRIM32 (NP_036342, 105 a.a. ~ 204 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. RRLPRQFCRSCGLVLCPCREADHQPPGHCTLPVKEAAEERRRDFGEKLTRL RELMGELQRRKAALEGVSKDLQARYKAVLQEYGHEERRVQDELARSRK
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Knockdown Validated
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Knockdown Validated
Application Notes	Antibody reactive against recombinant protein for western blot. It has also been used for RNAi validation and ELISA.



Images

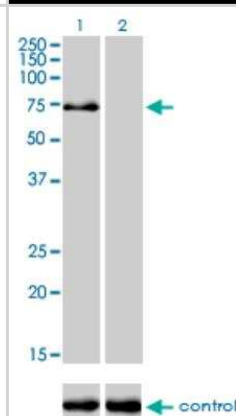
Western Blot: TRIM32 Antibody (2E5) [H00022954-M09] - Analysis of TRIM32 expression in transfected 293T cell line by TRIM32 monoclonal antibody (M09), clone 2E5. Lane 1: TRIM32 transfected lysate (72 kDa). Lane 2: Non-transfected lysate.



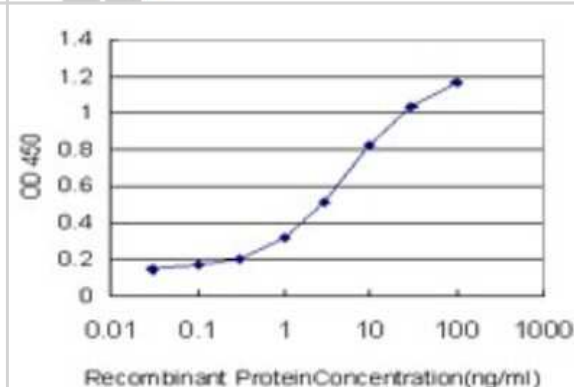
Immunocytochemistry/Immunofluorescence: TRIM32 Antibody (2E5) [H00022954-M09] - Analysis of monoclonal antibody to TRIM32 on HeLa cell. Antibody concentration 10 ug/ml



Western Blot: TRIM32 Antibody (2E5) [H00022954-M09] - Analysis of TRIM32 over-expressed 293 cell line, cotransfected with TRIM32 Validated Chimera RNAi or non-transfected control. Blot probed with H00022954-M09. GAPDH (36.1 kDa) used as loading control.



ELISA: TRIM32 Antibody (2E5) [H00022954-M09] - Detection limit for recombinant GST tagged TRIM32 is approximately 0.3ng/ml as a capture antibody.



Publications

Liu J, Lu S, Zheng L et al. ATM-CHK2-TRIM32 axis regulates ATG7 ubiquitination to initiate autophagy under oxidative stress Cell reports 2023-11-28 [PMID: 37943659]

Nicklas S, Hillje AL, Okawa S et al. A complex of the ubiquitin ligase TRIM32 and the deubiquitinase USP7 balances the level of c-Myc ubiquitination and thereby determines neural stem cell fate specification. Cell Death Differ 2018-06-13 [PMID: 29899379]

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]

Sato T, Okumura F, Kano S et al. TRIM32 promotes neural differentiation through retinoic acid receptor-mediated transcription. J Cell Sci. 2011-10-07 [PMID: 21984809]

Zhang Y, Liu J, Yao S et al. Nuclear factor kappa B signaling initiates early differentiation of neural stem cells. Stem Cells. 2012-03-01 [PMID: 22134901]

Nicklas S, Otto A, Wu X et al. TRIM32 Regulates Skeletal Muscle Stem Cell Differentiation and Is Necessary for Normal Adult Muscle Regeneration. PLoS One. 2012-01-27 [PMID: 22299041]

Lee ES, Kim WR, Kim Y et al. Polarized and Stage-Dependent Distribution of Immunoreactivity for Novel PDZ-Binding Protein Preso1 in Adult Neurogenic Regions. Endocrinol Metab (Seoul). 2014-09-25 [PMID: 25309794]

Bahnassawy L, Perumal TM, Gonzalez-Cano L et al. TRIM32 modulates pluripotency entry and exit by directly regulating Oct4 stability. Sci Rep. 2015-08-26 [PMID: 26307407]

Izumi H, Kaneko Y. Trim32 facilitates degradation of MYCN on spindle poles and induces asymmetric cell division in human neuroblastoma cells. Cancer Res 2014-10-01 [PMID: 25100564] (ICC/IF, Human)

Schwamborn JC, Berezikov E, Knoblich JA et al. The TRIM-NHL Protein TRIM32 Activates MicroRNAs Prevents Self-Renewal in Mouse . Neural Progenitors Cell;136(5):913-25. 2009-03-06 [PMID: 19269368]





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Products Related to H00022954-M09

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
NBP2-13484PEP	TRIM32 Recombinant Protein Antigen

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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