

Product Datasheet

Tensin 1 Antibody - BSA Free

NBP1-84129

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-84129

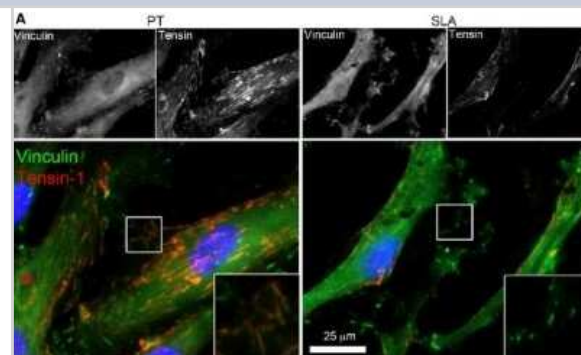
Tensin 1 Antibody - BSA Free

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	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Product Description	
Description	Novus Biologicals Rabbit Tensin 1 Antibody - BSA Free (NBP1-84129) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Tensin 1 Antibody: Cited in 7 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	7145
Gene Symbol	TNS1
Species	Human, Mouse, Rat
Reactivity Notes	Use in Mouse reported in scientific literature (PMID:33534863). Rat reactivity reported from a verified customer review (staining of rat kidneys shows positivity in mesangial cells).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: EEPLNLEGLVAHRVAGVQAREKQPAEPPAPLRRRAASDGQYENQSPEATSPR SPGVRSPVQCVSPELALTIALNPGGRPKEPHLSYK
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot Reported in scientific literature (PMID: 30813060)., Immunohistochemistry 1:20 - 1:50, Immunocytochemistry/ Immunofluorescence Reactivity reported in (PMID: 25766369)., Immunohistochemistry-Paraffin 1:20 - 1:50
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

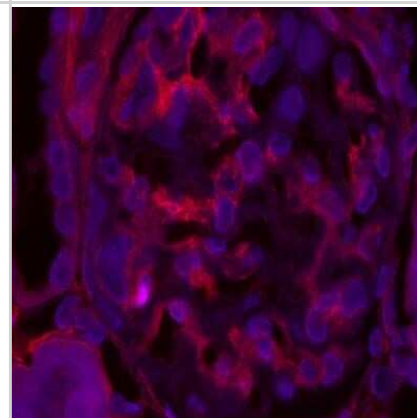


Images

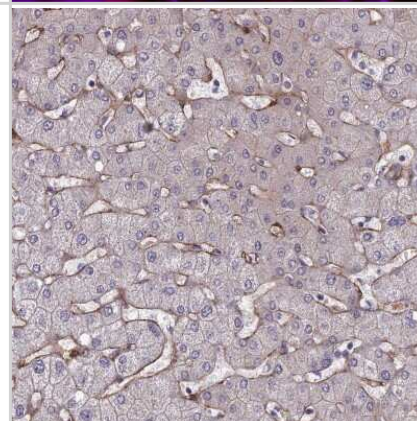
Immunocytochemistry/Immunofluorescence: Tensin 1 Antibody [NBP1-84129] - Adhesions are more mature and stable on PT compared to SLA. Co-localizations of tensin-1 and p-cortactin with vinculin were shown by immunocytochemical staining of HGFs cultured on PT and SLA surfaces at 24 hrs. Cells were labelled for integrin tensin-1 (red), vinculin (green), and nuclei (blue). Representative images of HGFs on PT and SLA observed under fluorescence microscopy. Grey scale images are shown for separate channels for tensin-1, and vinculin. Inserts show higher magnifications of focal contacts (white boxes). Image collected and cropped by CiteAb from the following publication (<https://doi.wiley.com/10.1111/jcmm.12451>), licensed under a CC-BY license.



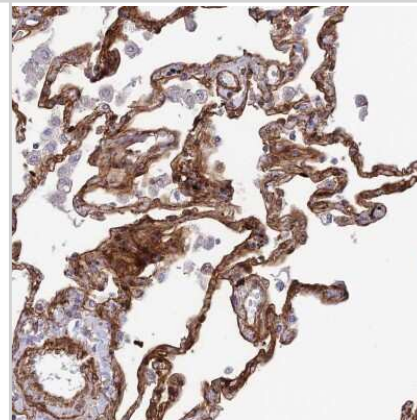
Immunohistochemistry-Paraffin: Tensin 1 Antibody [NBP1-84129] - Staining of rat kidneys shows positivity in mesangial cells. Image submitted by a verified customer review.



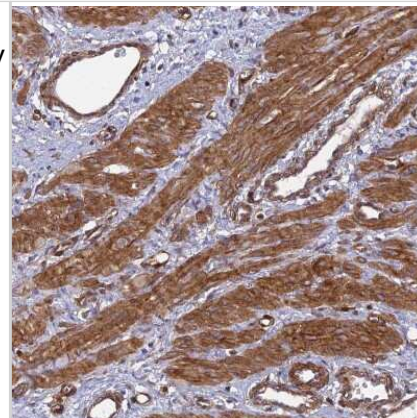
Immunohistochemistry-Paraffin: Tensin 1 Antibody [NBP1-84129] - Staining of human liver shows moderate membranous positivity in hepatocytes.



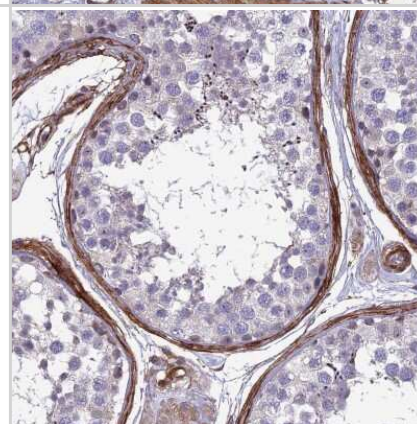
Immunohistochemistry-Paraffin: Tensin 1 Antibody [NBP1-84129] - Staining of human lung shows moderate positivity.



Immunohistochemistry-Paraffin: Tensin 1 Antibody [NBP1-84129] - Staining of human smooth muscle shows moderate cytoplasmic positivity in myocytes.



Immunohistochemistry-Paraffin: Tensin 1 Antibody [NBP1-84129] - Staining of human testis shows moderate membranous positivity.



Publications

Benwell CJ, Johnson RT, Taylor JAGE, Lambert J et Al. A proteomics approach to isolating neuropilin-dependent $\alpha 5$ integrin trafficking pathways: neuropilin 1 and 2 co-traffic $\alpha 5$ integrin through endosomal p120RasGAP to promote polarised fibronectin fibrillogenesis in endothelial cells Commun Biol 2024-05-24 [PMID: 38789481]

Brooks S, Mittler S, Hamilton DW Contact Guidance of Connective Tissue Fibroblasts on Submicrometer Anisotropic Topographical Cues Is Dependent on Tissue of Origin, $\alpha 1$ Integrins, and Tensin-1 Recruitment ACS applied materials & interfaces 2023-04-26 [PMID: 37067372] (ICC/IF, Human)

Benwell CJ, Taylor JAGE, Robinson SD Endothelial neuropilin-2 influences angiogenesis by regulating actin pattern development and $\alpha 5$ -integrin-p-FAK complex recruitment to assembling adhesion sites FASEB journal : official publication of the Federation of American Societies for Experimental Biology 2021-08-01 [PMID: 34314542] (WB, ICC/IF)

Jones CE, Sharick JT, Colbert SE et al. Pten regulates collagen fibrillogenesis by fibroblasts through SPARC PloS one 2021-02-03 [PMID: 33534863] (ICC/IF, Mouse)

Hassanisaber H, Jafari L, Campeau M et al. The effect of substrate bulk stiffness on focal and fibrillar adhesion formation in human abdominal aortic endothelial cells. Materials Science and Engineering: C 1905-07-11 [PMID: 30813060] (WB, Human)

Goreczny GJ, Forsythe IJ, Turner CE. Hic-5 regulates fibrillar adhesion formation to control tumor extracellular matrix remodeling through interaction with tensin1 Oncogene 2018-01-19 [PMID: 29348458] (Human)

Kim SS, Wen W, Prowse P, Hamilton DW. Regulation of matrix remodelling phenotype in gingival fibroblasts by substratum topography. J. Cell. Mol. Med. 2015-03-12 [PMID: 25766369] (ICC/IF, Human)



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Products Related to NBP1-84129

NBP1-84129PEP	Tensin 1 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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