

# Product Datasheet

## TGF-beta 1 Antibody NB100-91995

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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**NB100-91995**

TGF-beta 1 Antibody

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.05% Sodium Azide
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.2)
<b>Target Molecular Weight</b>	44 kDa
<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	7040
<b>Gene Symbol</b>	TGFB1
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	Synthetic peptide, corresponding to amino acids 341-390 of Human TGFbeta1.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:500-1:1000, Immunohistochemistry 1:50-1:200, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunoprecipitation, Immunohistochemistry-Paraffin 1:50-1:200
<b>Application Notes</b>	Western blot (WB) analysis of TGF Beta1 (Y369) pAb in extracts from HepG2 cells. Immunohistochemistry (IHC) analyzes of TGFbeta1 (Y369) pAb in paraffin-embedded human breast carcinoma tissue. Use in chromatin immunoprecipitation reported in scientific literature (PMID 24311432)

## Publications

Song JH, Kang C, Han SY Et al. Comparative analysis of Achilles tendon healing outcomes after open tenotomy versus percutaneous tenotomy: An experimental study in rats *Journal of orthopaedic research : official publication of the Orthopaedic Research Society* 2021-08-09 [PMID: 34370341]

Acheva A, Haghdoost S, Sollazzo A Presence of Stromal Cells Enhances Epithelial-to-Mesenchymal Transition (EMT) Induction in Lung Bronchial Epithelium after Protracted Exposure to Oxidative Stress of Gamma Radiation *Oxid Med Cell Longev.* 2019-09-08 [PMID: 31583039] (WB, Human)

Abdel Fattah I, AL Badawi M, Mohamed M Autologous-Versus Allogeneic-Bone Marrow Cell Grafting in Prevention of Obstructive Nephropathy in Rats *Egyptian Journal of Histology* 2019-06-01

Wang S, Zhang X, Qian W et al. P311 Deficiency Leads to Attenuated Angiogenesis in Cutaneous Wound Healing. *Front Physiol* 2017-12-06 [PMID: 29270129] (IHC-P, Mouse)

Li H, Yao Z, He W et al. P311 induces the transdifferentiation of epidermal stem cells to myofibroblast-like cells by stimulating transforming growth factor b1 expression. *Stem Cell Res Ther.* 2016-12-01 [PMID: 27906099] (WB, Mouse)

Yao Z, Yang S, He W et al. P311 promotes renal fibrosis via TGFbeta1/Smad signaling. *Sci Rep.* 2015-11-30 [PMID: 26616407] (IHC-P, Mouse)

Ecelbarger CM, Rash A, Sinha RK, Tiwari S. The effect of chronic candesartan therapy on the metabolic profile and renal tissue cytokine levels in the obese Zucker rat. *Mediators Inflamm* 2010-01-01 [PMID: 20490358]

Yan X, Sabrautzki S, Horsch M et al. Peroxidase is essential for eye development in the mouse. *Hum. Mol. Genet.* 2014-06-03 [PMID: 24895407]

Sugimoto K, Nishioka R, Ikeda A et al. Activated microglia in a rat stroke model express NG2 proteoglycan in peri-infarct tissue through the involvement of TGF-B1. *Glia* 2014-02-01 [PMID: 24311432] (IP, ICC/IF, WB, Rat)

Parlakgumus A, Colakoglu T, Kayaselcuk F et al. Two drugs with paradoxical effects on liver regeneration through antiangiogenesis and antifibrosis: Losartan and Spironolactone: a pharmacologic dilemma on hepatocyte proliferation *J Surg Res* 2012-09-07 [PMID: 22989552] (IF/IHC, Rat)





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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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