

Product Datasheet

TGF-beta 1 Antibody - BSA Free NBP1-03276

Unit Size: 0.05 mg

Keep as concentrated solution. Aliquot and store at -20C or below. Avoid multiple freeze-thaw cycles.

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NBP1-03276

TGF-beta 1 Antibody - BSA Free

Product Information	
Unit Size	0.05 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Keep as concentrated solution. Aliquot and store at -20C or below. Avoid multiple freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	20mM Potassium Phosphate (pH 7.2) and 0.15M NaCl

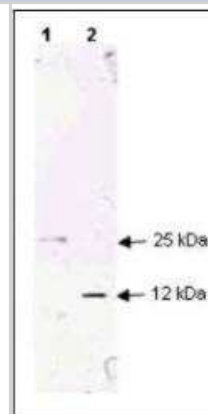
Product Description	
Description	Novus Biologicals Rabbit TGF-beta 1 Antibody - BSA Free (NBP1-03276) is a polyclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. Anti-TGF-beta 1 Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	7040
Gene Symbol	TGFB1
Species	Human, Mouse, Equine
Reactivity Notes	Mouse reactivity reported in (PMID: 27713548), Equine reactivity reported in (PMID: 23611525).
Specificity/Sensitivity	A BLAST analysis was used to suggest reactivity with this protein from most mammalian sources based on 100% homology for the immunogen sequence. Cross-reactivity is expected with TGF-beta 1 from non-mammalian sources as only a single amino acid residue change is found within the immunogen sequence from many other organisms.
Immunogen	Synthetic peptide from human TGF-beta 1.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1:100 - 1:500, ELISA 1:10000 - 1:20000, Immunohistochemistry 5 ug/ml, Immunocytochemistry/Immunofluorescence 1:10-1:500, Immunohistochemistry-Paraffin 5 ug/ml, Immunohistochemistry-Frozen 1:10-1:500
Application Notes	IHC-Frozen reactivity reported in (PMID: 23611525). .

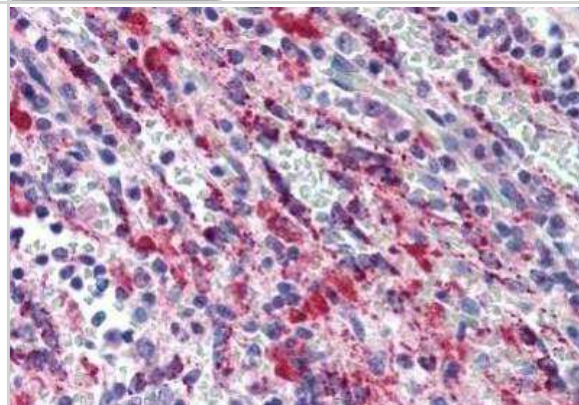


Images

Western Blot: TGF-beta 1 Antibody [NBP1-03276] - Each lane contains 250 ng of protein under non-reducing (lane 1) and reducing conditions (lane 2). The blot was incubated with a 1:200 dilution of the antibody at room temperature for 1 h followed by detection using labeled Goat-a-Rabbit IgG (H&L).



Immunohistochemistry-Paraffin: TGF-beta 1 Antibody [NBP1-03276] - Staining of human spleen tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.



Publications

Abu-Sultanah M, Zhou Z, Jiang C et al. TGF β -dependent signaling drives tumor growth and aberrant extracellular matrix dynamics in NF1-associated plexiform neurofibroma. *Science advances* 2025-06-24 [PMID: 40540562]

Aguilera-Martínez S, Muñoz-Ortega M, Martínez-Hernández S et al. Modulation of Mesangial Cells by Tamsulosin and Pioglitazone Under Hyperglycemic Conditions: An In Vitro and In Vivo Study *International Journal of Molecular Sciences* 2025-09-23 [PMID: 41096550]

Li B, Chi X, Huang Y et al. Bifidobacterium longum-Derived Extracellular Vesicles Prevent Hepatocellular Carcinoma by Modulating the TGF- β 1/Smad Signaling in Mice *Front Biosci (Landmark Ed)* 2024-07-31 [PMID: 39082347]

Gunin AG, Golubtzova NN Transforming Growth Factor-Beta (TGF-Beta) in Human Skin during Aging *Advances in Gerontology* 2018-11-14 [PMID: 31228363]

Parween S, Kostromina E, Nord C et al. Intra-islet lesions and lobular variations in beta-cell mass expansion in ob/ob mice revealed by 3D imaging of intact pancreas. *Sci Rep* 2016-10-07 [PMID: 27713548] (IF/IHC, Mouse)

Wang ZP, Mu XY, Guo M et al. Transforming growth factor-beta signaling participates in the maintenance of the primordial follicle pool in the mouse ovary. *J. Biol. Chem.* 2014-02-10 [PMID: 24515103] (WB, Mouse)

Barsby T, Guest D. Transforming Growth Factor Beta3 Promotes Tendon Differentiation of Equine Embryo-derived Stem Cells. *Tissue Eng Part A* 2013-04-24 [PMID: 23611525] (WB, IHC-Fr, Equine)



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Products Related to NBP1-03276

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

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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