

# 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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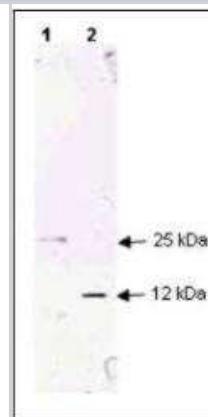
**NBP1-03276**

TGF-beta 1 Antibody - BSA Free

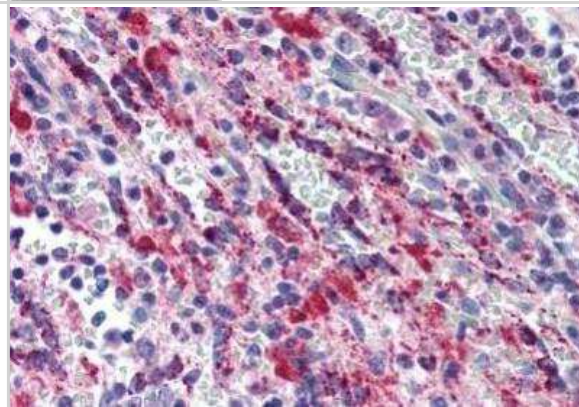
<b>Product Information</b>	
<b>Unit Size</b>	0.05 mg
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Keep as concentrated solution. Aliquot and store at -20C or below. Avoid multiple freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.01% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	20mM Potassium Phosphate (pH 7.2) and 0.15M NaCl
<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	7040
<b>Gene Symbol</b>	TGFB1
<b>Species</b>	Human, Mouse, Equine
<b>Reactivity Notes</b>	Mouse reactivity reported in (PMID: 27713548), Equine reactivity reported in (PMID: 23611525).
<b>Specificity/Sensitivity</b>	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.
<b>Immunogen</b>	Synthetic peptide from human TGF-beta 1.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	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
<b>Application Notes</b>	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

Li B, Chi X, Huang Y et al. Bifidobacterium longum-Derived Extracellular Vesicles Prevent Hepatocellular Carcinoma by Modulating the TGF- $\beta$ 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

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-51925-0.05mg	Recombinant Mouse TGF-beta 1 His Protein

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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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