bs-0086R **[Primary Antibody]**

TGF beta 1 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 7040 **SWISS:** P01137

Target: TGF beta 1

Immunogen: KLH conjugated synthetic peptide derived from human TGF-Beta 1: 351-390/390.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: This gene encodes a member of the transforming growth factor beta (TGFB) family of cytokines, which are multifunctional peptides that regulate proliferation, differentiation, adhesion, migration, and other functions in many cell types. Many cells have TGFB receptors, and the protein positively and negatively regulates many other growth factors. The secreted protein is cleaved into a latency-associated peptide (LAP) and a mature TGFB1 peptide, and is found in either a latent form composed of a TGFB1 homodimer, a LAP homodimer, and a latent TGFB1-binding protein, or in an active form composed of a TGFB1 homodimer. The mature peptide may also form heterodimers with other TGFB family members. This gene is frequently upregulated in tumor cells, and mutations in this gene result in Camurati-Engelmann disease.

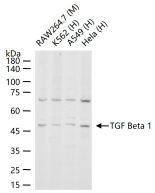
Applications: **WB** (1:500-2000)
ELISA (1:5000-10000)

Reactivity: Human, Mouse

Predicted MW.: 12.8/44 kDa

Subcellular Location: Secreted ,Extracellular matrix

VALIDATION IMAGES



25 ug total protein per lane of various lysates (see on figure) probed with TGF Beta 1 polyclonal antibody, unconjugated (bs-0086R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

SELECTED CITATIONS

- **[IF=16.744]** Lubin Zhou. et al. A self-pumping dressing with in situ modification of non-woven fabric for promoting diabetic wound healing. CHEM ENG J. 2022 Dec;:141108 IHC ;Rat. 10.1016/j.cej.2022.141108
- **[IF=14]** Haiyan Zhou. et al. Dynamic surface adapts to multiple service stages by orchestrating responsive polymers and functional peptides. BIOMATERIALS. 2023 Jun;:122200 IHC ;Rabbit. 37423184
- **[IF=13.3]** Yujia Zheng. et al. Rapid hemostatic and bio-adhesive polyphenol powders with physiological extreme condition-tolerance for noncompressible wound healing. CHEM ENG J. 2025 May;511:162231 IHC ;Rat. 10.1016/j.cej.2025.162231

- **[IF=10.508]** Xiaonan Li. et al. Facile One-Pot Synthesis of Meteor Hammer-like Au-MnOx Nanozymes with Spiky Surface for NIR-II Light-Enhanced Bacterial Elimination. CHEM MATER. 2022;XXXX(XXX):XXX-XXX IF ;Rat. 10.1021/acs.chemmater.2c01775
- **[IF=10]** Yaping Shen. et al. Hierarchically Released Liquid Metal Nanoparticles for Mild Photothermal Therapy/Chemotherapy of Breast Cancer Bone Metastases via Remodeling Tumor Stromal Microenvironment. ADV HEALTHC MATER. 2023 Jul;:2301080 IHC ;Mouse. 37436138