

bs-20412R**[Primary Antibody]****TGF beta 2 Rabbit pAb****BioSS**
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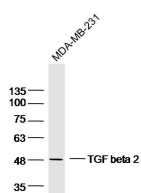
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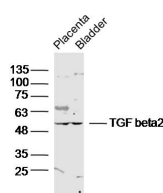
400-901-9800

— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 7042 Target: TGF beta 2 Immunogen: KLH conjugated synthetic peptide derived from human TGF beta 2: 351-414/414. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. Background: Transforming growth factor beta s (TGF beta s) were originally discovered due to their ability to promote anchorage-independent growth of rat NRK fibroblasts in the presence of TGF Alpha. It is now realized that TGF beta s mediate many cell-cell interactions that occur during embryonic development. Three TGF beta s have been identified in mammals. TGF beta 1, TGF beta 2 and TGF beta 3 are each synthesized as precursor proteins that are very similar in that each is cleaved to yield a 112 amino acid polypeptide that remains associated with the latent portion of the molecules. Biologically active TGF beta requires dimerization of the monomers (usually homodimers) and release of the latent peptide portion. Overall, the mature region of the TGF beta 3 protein has approximately 80% identity to the mature region of both TGF beta 1 and TGF beta 2. However, the NH2 terminals or precursor regions of their molecules share only 27% sequence identity.	Isotype: IgG SWISS: P61812 Applications: WB (1:500-2000) Reactivity: Human, Mouse, Rat Predicted MW.: 50 kDa Subcellular Location: Secreted
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— VALIDATION IMAGES —

Sample: MDA-MB-231 (human) cell Lysate at 40 ug
 ug Primary: Anti- TGF beta2 (bs-20412R) at 1/300
 dilution Secondary: IRDye800CW Goat Anti-
 Rabbit IgG at 1/20000 dilution Predicted band
 size: 50 kD Observed band size: 48 kD



Sample: Placenta (Mouse) Lysate at 40 ug
 Bladder (Mouse) Lysate at 40 ug Primary: Anti-
 TGF beta 2 (bs-20412R) at 1/300 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at
 1/20000 dilution Predicted band size: 50kD
 Observed band size: 50kD

— SELECTED CITATIONS —

- **[IF=10.2]** Son Boram. et al. Secured delivery of basic fibroblast growth factor using human serum albumin-based protein nanoparticles for enhanced wound healing and regeneration. J NANOBIOTECHNOL. 2023 Dec;21(1):1-18 ICC ;Human. 37658367
- **[IF=8.702]** Xiao, Jiangwei. et al. IRE1α arm of unfolded protein response in muscle-specific TGF-β signaling-mediated regulation of muscle cell immunological properties. CELL MOL BIOL LETT. 2023 Dec;28(1):1-24 WB ;Mouse. 36849929
- **[IF=6.543]** Zhong Li. et al. The TBX1/miR-193a-3p/TGF-β2 Axis Mediates CHD by Promoting Ferroptosis. Oxid Med Cell

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Longev. 2022;2022:5130546 WB ;Human. 35035663

- **[IF=5.191]** Chao Ye. et al. Naringin in the repair of knee cartilage injury via the TGF- β /ALK5/Smad2/3 signal transduction pathway combined with an acellular dermal matrix. J Orthop Transl. 2021 Aug;; IHC ;Rabbit. 10.1016/j.jot.2021.06.004
- **[IF=3.1]** Zhu Qiang. et al. TIPE regulates TGFB2 expression and induces extracellular M2 polarization in CRC. J LEUKOCYTE BIOL. 2025 May;; ;. 40391468