

bs-0100R**[Primary Antibody]**

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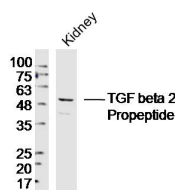
400-901-9800

TGF beta 2 Propeptide Rabbit pAb

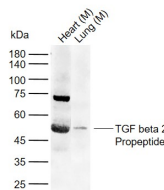
DATASHEET

Host: Rabbit Clonality: Polyclonal GeneID: 7042 Target: TGF beta 2 Propeptide Immunogen: KLH conjugated synthetic peptide derived from human TGF-beta 2: 154-197/414. 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: 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) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human, Mouse (predicted: Rat, Rabbit, Cow) Predicted MW.: 12/45 kDa Subcellular Location: Secreted
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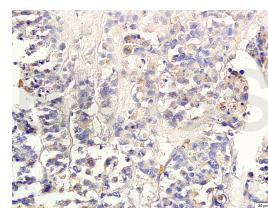
VALIDATION IMAGES



Sample: Kidney(Mouse) Lysate at 40 ug Primary: Anti-TGF beta 2 Propeptide(bs-0100R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 12'45kD Observed band size: 50 kD



Sample: Lane 1: Mouse Heart tissue lysates Lane 2: Mouse Lung tissue lysates Primary: Anti-TGF beta 2 Propeptide (bs-0100R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 12/45 kDa Observed band size: 48 kDa



Tissue/cell: human colon carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-TGF-beta-2 Polyclonal Antibody, Unconjugated(bs-0100R) 1:300, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

SELECTED CITATIONS

- **[IF=4.483]** Yan Li. et al. Simvastatin inhibits POVPC-mediated induction of endothelial to mesenchymal cell transition. J Lipid Res. 2021 Mar;:100066 WB ;Human. 33711324
- **[IF=2.56]** Xu, C., et al. "Proteomics Analysis of Hepatocyte Proliferation Regulated by FGF, PDGF, Insulin, Oncostatin M

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and Interleukin 2 Signaling Pathways during Rat Liver Regeneration." J Proteomics Computational Biol 1.1 (2014): 8. WB
;Rat. doi:10.13188/2572-8679.1000002