

TGF beta 3 propeptide Rabbit pAb

Catalog Number: bs-0099R

Target Protein: TGF beta 3 propeptide

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), Flow-Cyt (1ug/Test)

Reactivity: Human, Mouse, Rat, Pig (predicted:Rabbit, Dog)

Predicted MW: 30/47 kDa

Entrez Gene: 7043

Swiss Prot: P10600

Source: KLH conjugated synthetic peptide derived from human TGF-beta 3: 41-90/412.

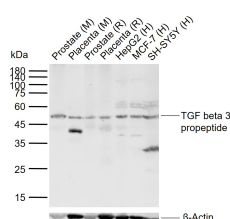
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

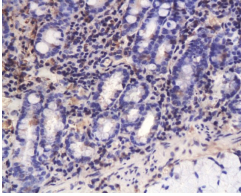
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Transforming growth factor beta 3(TGF β 3) is one of three closely related mammalian members of the large TGF β superfamily, TGF- β 1, β 2, and β 3, signal through the same receptor and elicit similar biological responses. The mammalian TGF- β 3 controls a vast array of biological processes including immune regulation, cell proliferation, epithelial-mesenchymal transition, and the bone formation. It is generally recognized to facilitate chondrogenic differentiation of precursor cells. It may also have a dose-dependent inhibitory effect on osteogenesis. Recombinant Human TGF- β 3 is a 25.0 kDa protein composed of two identical 112 amino acid polypeptide chains linked by a single disulfide bond.

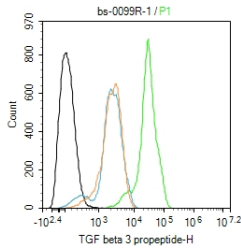
VALIDATION IMAGES



Sample: Lane 1: Mouse Prostate tissue lysates Lane 2: Mouse Placenta tissue lysates Lane 3: Rat Prostate tissue lysates Lane 4: Rat Placenta tissue lysates Lane 5: Human HepG2 cell lysates Lane 6: Human MCF-7 cell lysates Lane 7: Human SH-SY5Y cell lysates Primary: Anti-TGF beta 3 propeptide (bs-0099R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 30/47 kDa Observed band size: 47 kDa



Tissue/cell: pig bile duct; 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-3 Polyclonal Antibody, Unconjugated (bs-0099R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody (SP-0023) and DAB (C-0010) staining



Blank control: SHSY5Y. Primary Antibody (green line): Rabbit Anti-TGF beta 3 propeptide antibody (bs-0099R) Dilution: 1ug/Test; Secondary Antibody : Goat anti-rabbit IgG-FITC Dilution: 0.5ug/Test. Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.