

Anti-TGF beta 3 propeptide Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat,Pig (predicted:Dog,Rabbit)
Molecular Weight:	Theoretical: 30/47 kDa. Actual: 47 kDa.
Purification:	Protein A purified

Applications

1. Tissue/cell: pig bile duct; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min;

Incubation: Anti-TGF-beta-3 Polyclonal Antibody, Unconjugated (TMAB-13492) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining

2. Blank control: SHSY5Y.

Primary Antibody (green line): Rabbit Anti-TGF beta 3 propeptide antibody (TMAB-13492)

Dilution: 1 µg/Test;

Secondary Antibody: Goat anti-rabbit IgG-FITC

Dilution: 0.5 µg/Test.

Protocol

The cells were fixed with 4% PFA (10 min 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.

Verified Activity:

3. 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 (TMAB-13492) 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

A DRUG SCREENING EXPERT

Application: WB,IHC-P,IHC-Fr,IF,FCM

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 1µg/Test

Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human TGF-beta 3

Antigen Species: Human

Gene ID: 7043

Uniprot ID: P10600

Research Background

Transforming growth factor beta 3(TGF β3) is one of three closely related mammalian members of the large TGF β superfamily, TGF-β1, β2, and β3, signal through the same receptor and elicit similar biological responses. The mammalian TGF-β3 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-β3 is a 25.0 kDa protein composed of two identical 112 amino acid polypeptide chains linked by a single disulfide bond.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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