

Anti-TGF-beta 3 Polyclonal Antibody

Product Details

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

Applications

Verified Activity:	<p>1. Sample: Ovary (Mouse) Lysate at 40 µg Primary: Anti-TGF-beta 3 (TMAB-13499) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 30'47 kD Observed band size: 47 kD</p> <p>2. Blank control (black line): sH-SY5Y. Primary Antibody (green line): Rabbit Anti-TGF-beta 3 antibody (TMAB-13499) Dilution: 1 µg/Test; Secondary Antibody: Goat anti-rabbit IgG-AF488 Dilution: 0.5 µg/Test. Negative control (white blue line): PBS Isotype control (orange line): Normal Rabbit IgG 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.</p>
Application:	WB,FCM
Recommended	WB: 1:500-2000; 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 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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