

For Research Use Only

TGF beta 1 Polyclonal antibody

Catalog Number: 26155-1-AP



Basic Information

Catalog Number: 26155-1-AP	GenBank Accession Number: NM-011577	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 800 µg/ml by Nanodrop;	GeneID (NCBI): 21803	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	Full Name: transforming growth factor, beta 1	
Isotype: IgG	Observed MW: 44 kDa	
Immunogen Catalog Number: AG24078		

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : L-929 cells, NIH/3T3 cells, RAW 264.7 cells
Species Specificity: mouse	

Background Information

TGF beta 1 is a potent cytokine capable of regulating multiple cellular processes including cell proliferation, differentiation, wound healing, and immune response. TGF beta 1 is identified in various immune cells and its activity varies in different cell types or cells at different developmental stages¹. TGF beta 1 functions by binding to the TGFβ1 receptors, which subsequently activate the canonical SMAD pathway or non-canonical signaling cascades, such as the mitogen-activated protein kinase (MAPK) pathway, phosphatidylinositol-3 kinase and AKT (PI3K-AKT), and Rho family of GTPases (Rho GTPase). What is special about TGF beta 1 is its context-dependent nature that is particularly true for tumors. Full-length, inactive 44 kD TGFB1 is cleaved into mature TGFB1 (13 kD). TGFB1 also homodimerizes and heterodimerizes with TGFB2, so there is potential for multiple different band sizes in WB (12, 25, 45 to 65 kDa).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

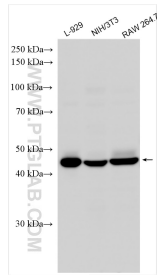
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 26155-1-AP (Tgfb1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.