

Product Description

Pioneering GTPase and Oncogene Product Development since 2010

TGFB1 RABBIT PAB

Cat.#: S216831

Product Name: Anti-TGFB1 Rabbit Polyclonal Antibody

Synonyms: CED; LAP; DPD1; TGFB; IBDIMDE; TGFbeta; TGF-beta1

UNIPROT ID: P01137 (Gene Accession - BC000125)

Background: This gene encodes a secreted ligand of the TGF-beta (transforming growth factorbeta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate a latency-associated peptide (LAP) and a mature peptide, and is found in either a latent form composed of a mature peptide homodimer, a LAP homodimer, and a latent TGF-beta binding protein, or in an active form consisting solely of the mature peptide homodimer. The mature peptide may also form heterodimers with other TGFB family members. This encoded protein regulates cell proliferation, differentiation and growth, and can modulate expression and activation of other growth factors including interferon gamma and tumor necrosis factor alpha. This gene is frequently upregulated in tumor cells, and mutations in this gene result in Camurati-Engelmann disease.

Immunogen: Fusion protein of human TGFB1

Applications: ELISA, WB, IHC

Recommended Dilutions: IHC: 150-300;WB: 500-2000;ELISA: 5000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG **Purification:** Antigen affinity purification **Species Reactivity:** Human, Mouse, Rat

Constituents: PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40%

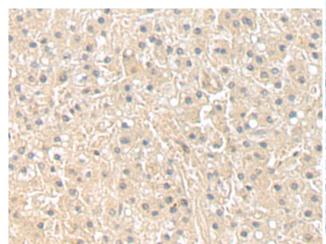
glycerol

Research Areas: Signal Transduction, Cardiovascular, Cancer, Metabolism Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing

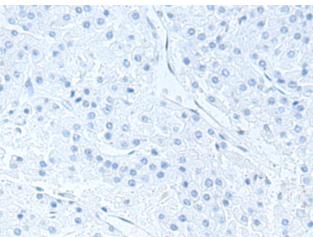


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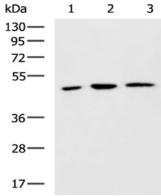
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Immunohistochemistry analysis of paraffin embedded Human liver cancer tissue using 216831(TGFB1 Antibody) at a dilution of 1/100(Secreted).



In comparision with the IHC on the left, the same paraffin-embedded Human liver cancer tissue is first treated with the fusion protein and then with 216831(Anti-TGFBI Antibody) at dilution 1/100.



Gel: 8%SDS-PAGE, Lysate: 40 µg;

Lane 1-3: K562, NIH/3T3 and Hela cell lysates; Primary antibody: 216831(TGFB1 Antibody) at dilution 1/550;

Secondary antibody: HRP-conjugated Goat

anti rabbit IgG at 1/5000 dilution;

Exposure time: 1 minute