

TGF-beta Receptor Type I Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 250879

Unit: 0.1 mg

Description:

TGF-beta receptor type I (TGFR1) forms a receptor complex consisting of two type II and two type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors that autophosphorylate and activate SMAD transcriptional regulators. Although TGFR1 is ubiquitously expressed, it is found most abundant in placenta and least abundant in brain and heart. Defects in TGFBR1 are the cause of Loeys-Dietz syndrome type 1 and 2 (aortic aneurysm syndromes).

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: B, H, M, R

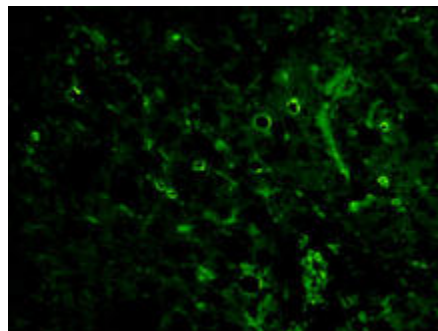
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: TGF-beta receptor type-1; Transforming growth factor-beta receptor type I; TGF-beta receptor type I; TGF-beta type I receptor; TbetaR-I; TGFR-1; Serine/threonine-protein kinase receptor R4; SKR4; Activin receptor-like kinase 5; ALK5; TGFBR1

Accession No.: P36897

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the center region of human TGFR1.

Application Notes: E: 1:500-1:1,000; WB: 1:200-1:500; IHC: 1:200-1:500



TGF-beta Receptor Type I staining in mouse liver cancer. Paraffin-embedded mouse cancerous liver is stained with TGF-beta Receptor Type I Antibody (Cat. No. 250879) used at 1:100 dilution.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.