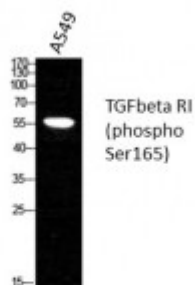


Anti-Phospho-TG beta RI (S165) antibody



Western Blot (WB) analysis of 1. A549 2. HeLa 3. MCF7 using TGFbeta RI (phospho Ser165) Polyclonal Antibody. (STJ91351)



Description

TGFbeta RI is a protein encoded by the TGFBR1 gene which is approximately 55,9 kDa. TGFbeta RI is localised to the cell membrane. It is involved in apoptotic pathways and the PAK pathway. It is a heteromeric complex that transduces the TGFB1, TGFB2 and TGFB3 signal from the cell surface to the cytoplasm and is thus regulating a plethora of physiological and pathological processes including cell cycle arrest in epithelial and hematopoietic cells, control of mesenchymal cell proliferation, differentiation and extracellular matrix production. TGFbeta RI is expressed in all human tissues and is most abundant in the placenta. Mutations in the TGFBR1 gene may result in Loeys-Dietz syndrome. STJ91351 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. This primary antibody specifically binds to endogenous TGFbeta R protein which only binds about S165 when S165 is phosphorylated.

Model	STJ91351
Host	Rabbit
Reactivity	Mouse, Rat
Applications	ELISA, IF
Immunogen	Synthesized peptide derived from human TGFbeta RI around the phosphorylation site of S165.
Immunogen Region	100-180 aa
Gene ID	7046
Gene Symbol	TGFBR1
Dilution range	IF 1:200-1:1000ELISA 1:5000

Specificity	Phospho-TGFbeta RI (S165) Polyclonal Antibody detects endogenous levels of TGFbeta RI protein only when phosphorylated at S165.
Tissue Specificity	Found in all tissues examined, most abundant in placenta and least abundant in brain and heart. Expressed in a variety of cancer cell lines .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	TGF-beta receptor type-1 TGFR-1 Activin A receptor type II-like protein kinase of 53kD Activin receptor-like kinase 5 ALK-5 ALK5 Serine/threonine-protein kinase receptor R4 SKR4 TGF-beta type I receptor