Anti-TGFBR1 Antibody

Catalog Number: *A00832*

BOSTER
antibody and ELISA experts
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Basic Information

Product Name	Anti-TGFBR1 Antibody
Gene Name	TGFBR1
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human
Tested Application	WB, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E.coli-derived human TGFBR1 recombinant protein (Position: L34-K490).
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	56 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Enzyme linked immunosorbent assay (ELISA):1:100-1000

Storage

12 months from date of receipt，-20℃ as supplied. 6 months 2 to 8℃ after reconstitution. Avoid repeated freezing and thawing.

Background Information

Transforming growth factor, beta receptor I is a TGF beta receptor. TGFBR1 is its human gene. The protein encoded by this gene forms a heteromeric complex with type II TGF-beta receptors when bound to TGF-beta, transducing the TGF-beta signal from the cell surface to the cytoplasm. Mutations in this gene have been associated with Loeys-Dietz aortic aneurysm syndrome (LDAS). TGFB1 regulates cell cycle progression by a unique signaling mechanism that involves its binding to TGFBR2 and activation of TGFBR1. Both are transmembrane serine/threonine receptor kinases. The TGFBR1 receptor may be inactivated in many of the cases of human tumor cells refractory to TGFB-mediated cell cycle arrest.

Reference

Anti-TGFBR1 Antibody被引用在4文献中。

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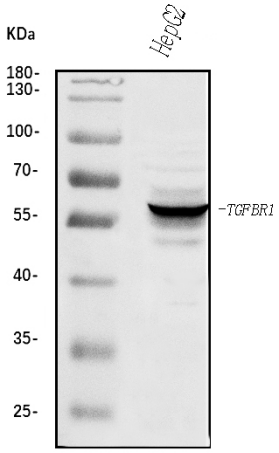
Selected Validation Data



Western blot analysis of TGFBR1 using anti-TGFBR1 antibody (A00832). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: HepG2 tissue lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-TGFBR1 antigen affinity purified polyclonal antibody (A00832) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for TGFBR1 at approximately 56 kDa. The expected band size for TGFBR1 is at 56 kDa.