

Datasheet for ABIN5647619
anti-TGFR1 antibody (AA 149-186)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	TGFR1
Binding Specificity:	AA 149-186
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TGFR1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Amino acids 149-186 (HNRTVIHHRVPNEEDPSLDRPFISEGTTLKDLIYDMTT from the human protein were used as the immunogen for the TGF beta receptor I antibody.
Isotype:	IgG
Purification:	Antigen affinity purified

Target Details

Target:	TGFR1
Alternative Name:	TGFR1 / TGF beta receptor I (TGFR1 Products)
Background:	Transforming growth factor, beta receptor I is a TGF beta receptor. TGFR1 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

Target Details

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.

UniProt: [P36897](#)

Pathways: [Growth Factor Binding](#)

Application Details

Application Notes: Western blot: 0.5-1 µg/mL

Restrictions: For Research Use only

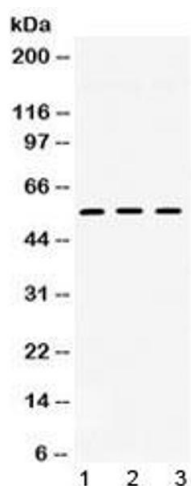
Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

Storage Comment: After reconstitution, the TGF beta receptor I antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. Western blot testing of 1) rat heart, 2) mouse liver and 3) human HeLa lysate with TGF beta receptor I antibody at 0.5ug/ml. Predicted/observed molecular weight ~55 kDa.