

## Anti-TGF beta Receptor I Polyclonal Antibody 2

### Product Details

Ig Type:	IgG
Reactivity:	Human (predicted:Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep)
Molecular Weight:	Theoretical: 55 kDa. Actual: 55-58 kDa.
Purification:	Protein A purified

### Applications

Verified Activity:	1. Sample: Lane 1: K562 (Human) Cell Lysate at 30 µg Lane 2: SH-SY5Y (Human) Cell Lysate at 30 µg Primary: Anti-TGF beta Receptor I (TMAB-13494) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 55 kD Observed band size: 58 kD
	2. Sample: Lane 1: Hela (Human) Cell Lysate at 30 µg Lane 2: HepG2 (Human) Cell Lysate at 30 µg Lane 3: Raji (Human) Cell Lysate at 30 µg Lane 4: U87MG (Human) Cell Lysate at 30 µg Lane 5: K562 (Human) Cell Lysate at 30 µg Primary: Anti-TGF beta Receptor I (TMAB-13494) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 55 kD Observed band size: 53 kD
Application:	WB
Recommended	WB: 1:500-2000

### Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human TGF beta Receptor I
Antigen Species:	Human
Gene ID:	7046
Uniprot ID:	P36897

### Research Background

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. The encoded protein is a

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serine/threonine protein kinase. Mutations in this gene have been associated with Loews-Dietz aortic aneurysm syndrome (LDAS). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2008]

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