

Anti-TGF beta Receptor I Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted: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: Mouse Placenta tissue lysates
	Lane 2: Mouse Blood cell lysates
	Lane 3: Mouse Lung tissue lysates
	Lane 4: Mouse Stomach tissue lysates
	Lane 5: Rat Placenta tissue lysates
	Lane 6: Rat Blood cell lysates
	Lane 7: Human Hela cell lysates
	Lane 8: Human HepG2 cell lysates
	Lane 9: Human Raji cell lysates
Primary: Anti-TGF beta Receptor I (TMAB-13495) 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: A549 (Human) Cell Lysate at 30 µg	
Lane 3: Testis (Rat) Lysate at 40 µg	
Primary: Anti-TGF beta Receptor I (TMAB-13495) at 1/1000 dilution	
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution	
Predicted band size: 55 kD	
Observed band size: 58 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 serine/threonine protein kinase. Mutations in this gene have been associated with Loeys-Dietz aortic aneurysm syndrome (LDAS). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2008]

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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