

**Product Name:** Phospho-TGF beta Receptor I (Ser165) Rabbit Polyclonal Antibody  
**Catalog #:** APRab00956

For research use only.

## Summary

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,ELISA
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Phosphorylated
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
<b>Purification</b>	Affinity Purification

## Application

<b>Dilution Ratio</b>	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:100-1:200,ELISA 1:5000-1:20000
<b>Molecular Weight</b>	Calculated MW: 56 kDa; Observed MW: 56 kDa

## Antigen Information

<b>Gene Name</b>	TGFBR1
<b>Alternative Names</b>	TGFBR1; ALK5; SKR4; 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; Transfor
<b>Gene ID</b>	7046
<b>SwissProt ID</b>	P36897
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human TGF beta Receptor I around the phosphorylation site of Ser165. AA range:131-180

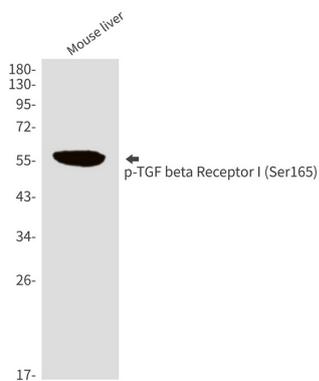
## Background

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.

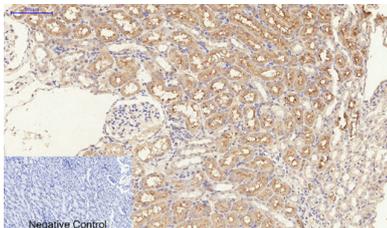
## Research Area

Cardiovascular

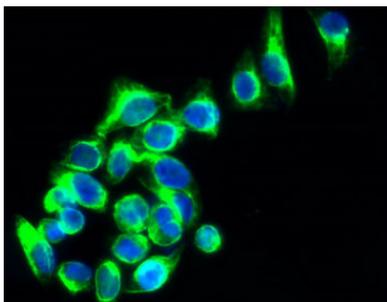
## Image Data



Western blot analysis of Phospho-TGF beta Receptor I (Ser165) in mouse liver lysates using Phospho-TGF beta Receptor I (Ser165) antibody.



Immunohistochemistry analysis of paraffin-embedded rat kidney tissue using Phospho-TGF beta Receptor I (Ser165) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunofluorescence analysis of Phospho-TGF beta Receptor I (Ser165) in HepG2 cells using Phospho-TGF beta Receptor I (Ser165) antibody (green).