







## TGFβ RI (phospho Ser165) Polyclonal Antibody

β RI protein only when phosphorylated at \$165.   Formulation		
Reactivity         Human;Mouse;Rat           Applications         WB;IHC;IF;ELISA           Gene Name         TGFBR1           Protein Name         TGF-beta receptor type-1           Immunogen         The antiserum was produced against synthesized peptide derived from human TGF beta Receptor I around the phosphorylation site of Ser165. AA range:131-180           Specificity         Phospho-TGFβ RI (S165) Polyclonal Antibody detects endogenous levels of TG β RI protein only when phosphorylated at S165.           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Polyclonal, Rabbit,IgG           Purification         The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.           Dilution         WB 1:500-2000, IF 1:50-300, IHC 1:50-300           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         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           Calculated Molecular         Molecular Molecular         SokD           Weight         Cell membrane; Single-pass type I membrane protein. Cell junction, tight junction. Cell surface. Membrane raft.	Catalog No	YP-Ab-13080
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type 1A (LDS1A) [MIM:609192]; also known as Furlong syndrome or Loeys-Dietz aortic aneurysm syndrome (LDAS). LDS1 is an aortic aneurysm syndrome with widespread systemic involvement. The disorder is characterized by arterial tort

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],

matters needing attention

Avoid repeated freezing and thawing!

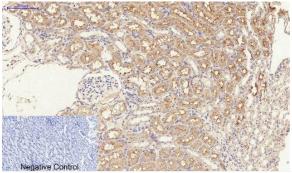
**Usage suggestions** 

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

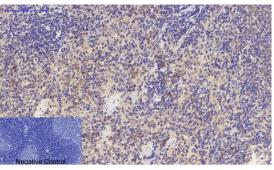
## **Products Images**



Immunohistochemical analysis of paraffin-embedded Human-liver tissue. 1,TGFβ RI (phospho Ser165) Polyclonal Antibody was diluted at 1:200(4° C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.



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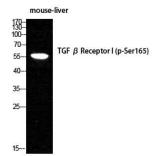
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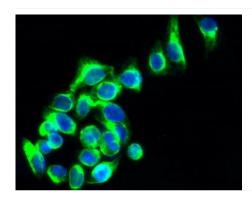
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Western Blot analysis of MOUSE-LIVER cells using Phospho-TGF $\beta$  RI (S165) Polyclonal Antibody diluted at 1:1000



Immunofluorescence analysis of HepG2 cells, Antibody diluted at 1:50. The picture on the right is blocked with the synthesized peptide.