

TGF beta Receptor II Rabbit pAb

Catalog Number: bs-0117R

Target Protein: TGF beta Receptor II

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human, Mouse, Rat, Cow (predicted:Rabbit, Pig, Sheep, Chicken, Horse)

Predicted MW: 62 kDa

Entrez Gene: 7048

Swiss Prot: P37173

Source: KLH conjugated synthetic peptide derived from human TGF beta Receptor II: 241-330/567.

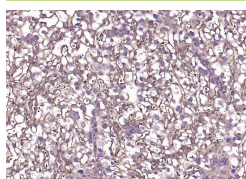
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

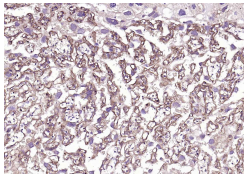
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: This gene encodes a member of the Ser/Thr protein kinase family and the TGFβ receptor subfamily. The encoded protein is a transmembrane protein that has a protein kinase domain, forms a heterodimeric complex with another receptor protein, and binds TGF-β. This receptor/ligand complex phosphorylates proteins, which then enter the nucleus and regulate the transcription of a subset of genes related to cell proliferation. Mutations in this gene have been associated with Marfan Syndrome, Loeys-Deitz Aortic Aneurysm Syndrome, and the development of various types of tumors. Alternatively spliced transcript variants encoding different isoforms have been characterized.

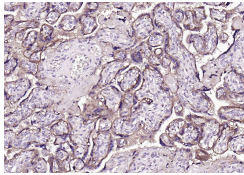
VALIDATION IMAGES



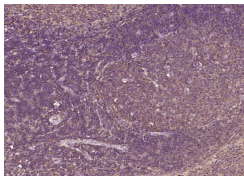
Paraformaldehyde-fixed, paraffin embedded (mouse placenta); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (TGF beta Receptor II) Polyclonal Antibody, Unconjugated (bs-0117R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



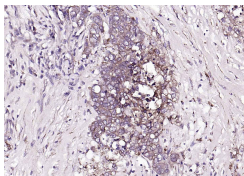
Paraformaldehyde-fixed, paraffin embedded (rat placenta); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (TGF beta Receptor II) Polyclonal Antibody, Unconjugated (bs-0117R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human placenta); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (TGF beta Receptor II) Polyclonal Antibody, Unconjugated (bs-0117R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat spleen); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (TGF beta Receptor II) Polyclonal Antibody, Unconjugated (bs-0117R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human breast carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (TGF beta Receptor II) Polyclonal Antibody, Unconjugated (bs-0117R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=10.75] Baisheng Li. et al. Decrease of circARID1A retards glioblastoma invasion by modulating miR-370-3p/ TGFBR2 pathway. INT J BIOL SCI. 2022; 18(13): 5123–5135 WB,IHC ; Mouse,Human . 35982888

[IF=8.702] Xiao, Jiangwei. et al. IRE1α arm of unfolded protein response in muscle-specific TGF-β signaling-mediated regulation of muscle cell immunological properties. CELL MOL BIOL LETT. 2023 Dec;28(1):1-24 WB ; Mouse . 36849929

[IF=8.4] Liao Zhaozhong. et al. Myofiber directs macrophages IL-10-Vav1-Rac1 efferocytosis pathway in inflamed muscle following CTX myoinjury by activating the intrinsic TGF-β signaling. CELL COMMUN SIGNAL. 2023 Dec;21(1):1-18 ICC ; Mouse . 37403092

[IF=8.2] Guokun Zhang. et al. Antler thymosin β10 reduces liver fibrosis via inhibiting TGF-β1/SMAD pathway. INT J BIOL MACROMOL. 2024 Apr;264:130502 WB ; Rat . 38428779

[IF=4.52] Abdelmagid, Samir M., et al. "Mutation in Osteoactivin Reduces Bone Formation in Vivo and Osteoblast Differentiation in Vitro." The American Journal of Pathology (2014). WB ; "Rat" . 24462663