

bs-0117R**[Primary Antibody]****BioSS**
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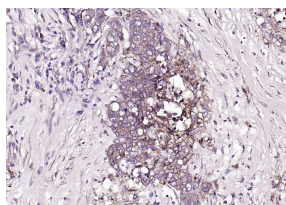
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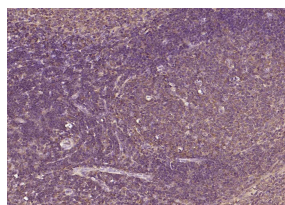
400-901-9800

TGF beta Receptor II Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500)
Clonality: Polyclonal		IHC-F (1:100-500)
GeneID: 7048	SWISS: P37173	IF (1:100-500)
Target: TGF beta Receptor II		Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Sheep, Cow, Chicken, Horse)
Immunogen: KLH conjugated synthetic peptide derived from human TGF beta Receptor II: 241-330/567. < Cytoplasmic >		Predicted MW.: 62 kDa
Purification: affinity purified by Protein A		Subcellular Location: Cell membrane
Concentration: 1mg/ml		
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 (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.



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.

— SELECTED CITATIONS —

- **[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 Zhaohong. et al. Myofiber directs macrophages IL-10-Vav1-Rac1 efferocytosis pathway in inflamed muscle

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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 β 10 reduces liver fibrosis via inhibiting TGF- β 1/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