

bs-4588R**[Primary Antibody]****Bioss**
ANTIBODIES

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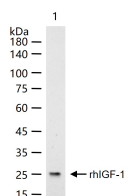
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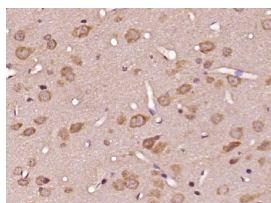
400-901-9800

IGF I Rabbit pAb**— DATASHEET —**

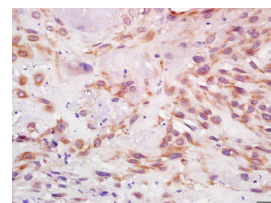
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)
Clonality: Polyclonal		
GeneID: 3479	SWISS: P05019	
Target: IGF I		
Immunogen: KLH conjugated synthetic peptide derived from human IGF I: 108-195/195.		Reactivity: Human, Rat (predicted: Mouse, Rabbit, Pig, Sheep, Cow, Dog)
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 7.7/21 kDa
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.		Subcellular Location: Secreted
Background: The protein encoded by this gene is similar to insulin in function and structure and is a member of a family of proteins involved in mediating growth and development. The encoded protein is processed from a precursor, bound by a specific receptor, and secreted. Defects in this gene are a cause of insulin-like growth factor I deficiency. Several transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Mar 2009]		

— VALIDATION IMAGES —

20 ng rhIGF-1 protein, Trx & His (bs-41216P) per lane probed with IGF 1 polyclonal antibody respectively, unconjugated (bs-4588R) at 1:1000 dilution and 4°C overnight incubation. Followed by corresponding conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded (Rat brain); 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; Antibody incubation with (IGF I) Polyclonal Antibody, Unconjugated (bs-4588R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: human placenta tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-IGF I Polyclonal Antibody, Unconjugated (bs-4588R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody (SP-0023) and DAB (C-0010) staining

— SELECTED CITATIONS —

- **[IF=5.2]** Kaur Prabhsimran. et al. Dapagliflozin Ameliorate Type-2 Diabetes Associated Neuropathy via Regulation of IGF-1R Signaling. J NEUROIMMUNE PHARM. 2025 Dec;20(1):1-21 **WB ;Rat**. 40178648
- **[IF=4.077]** Pian Gong. et al. The neuroprotective effects of Insulin-Like Growth Factor 1 via the Hippo/YAP signaling pathway are mediated by the PI3K/AKT cascade following cerebral ischemia/reperfusion injury. Brain Res Bull. 2021 Oct; **WB ;Rat**. 34717965
- **[IF=4]** Yang-Li Ye. et al. GLP-2 Ameliorates D-galactose Induced Muscle Aging by IGF-1/Pi3k/Akt/FoxO3a Signaling Pathway in C2C12 Cells and Mice. ARCH GERONTOL GERIAT. 2024 Apr;105462 **WB ;MOUSE**. 38692155

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=2.59]** Yamada A.K.. et al. Beta-hydroxy-beta-methylbutyrate associated with low-intensity exercise training improves skeletal muscle regeneration through the IGF-Akt pathway. Braz J Med Biol Res. 2022 Jan;55: WB ;Rat. 35019034
- **[IF=3.3]** Smith Zachary K. et al. Temperature Fluctuations Modulate Molecular Mechanisms in Skeletal Muscle and Influence Growth Potential in Beef Steers. J ANIM SCI. 2023 Oct;; WB ;Cattle. 37791975