

**bs-1434R****[ Primary Antibody ]****IGFBP3 Rabbit pAb****Bioss**  
**ANTIBODIES**

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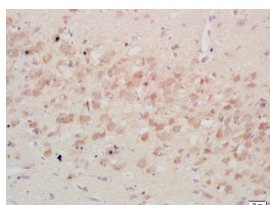
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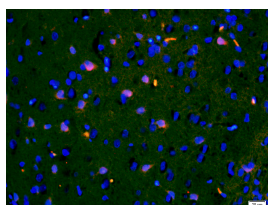
400-901-9800

**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500)
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 3486	<b>SWISS:</b> P17936	
<b>Target:</b> IGFBP3		<b>Reactivity:</b> Rat (predicted: Human, Mouse)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human IGFBP3: 186-292/292.		
<b>Purification:</b> affinity purified by Protein A		<b>Predicted MW.:</b> 30-35 kDa
<b>Concentration:</b> 1mg/ml		<b>Subcellular Location:</b> Secreted
<b>Storage:</b> 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.		
<b>Background:</b> This gene is a member of the insulin-like growth factor binding protein (IGFBP) family and encodes a protein with an IGFBP domain and a thyroglobulin type-I domain. The protein forms a ternary complex with insulin-like growth factor acid-labile subunit (IGFALS) and either insulin-like growth factor (IGF) I or II. In this form, it circulates in the plasma, prolonging the half-life of IGFs and altering their interaction with cell surface receptors. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]		

**— VALIDATION IMAGES —**

Tissue/cell: rat brain 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-IGFBP3 Polyclonal Antibody, Unconjugated(bs-1434R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



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**— SELECTED CITATIONS —**

- **[IF=4.2]** Yuan, Qing, et al. "Docetaxel-loaded solid lipid nanoparticles suppress breast cancer cells growth with reduced myelosuppression toxicity." International Journal of Nanomedicine 9 (2014): 4829. WB ;="Mouse". 25378924
- **[IF=4.165]** Juil Kim. et al. Mucosal ribosomal stress-induced PRDM1 promotes chemoresistance via stemness

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

- regulation. Commun Biol. 2021 May;4(1):1-14 WB,IHC ;Human. 33972671
- **[IF=3.5]** Nanchi Zhang. et al. Yak IGFBP3 promotes hepatocyte proliferation through PI3K-Akt signaling pathway. GENE. 2024 Jul;917:148460 IHC ;Bovine. 38604506
  - **[IF=2.656]** Liu et al. Effects of insulin-like growth factor binding protein 3 on apoptosis of cutaneous squamous cell carcinoma cells. (2018) Onco.Targets.Ther. 11:6569-6577 WB,IHC ;Human. 30323629
  - **[IF=2.341]** Diao S et al. IGF2 enhanced the osteo - /dentinogenic and neurogenic differentiation potentials of stem cells from apical papilla. J Oral Rehabil. 2019 Jul 10. WB ;Human. 31291686