bs-1434R

[Primary Antibody]

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IGFBP3 Rabbit pAb

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GeneID: 3486 SWISS: P17936

Target: IGFBP3

Immunogen: KLH conjugated synthetic peptide derived from human IGFBP3:

186-292/292.

Purification: affinity purified by Protein A

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 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]

Applications: IHC-P (1:100-500)

IHC-F (1:100-500) **IF** (1:100-500)

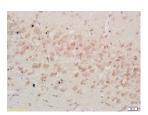
Reactivity: Rat (predicted: Human,

Mouse)

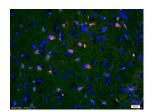
Predicted 30-35 kDa

Subcellular Location: Secreted

VALIDATION IMAGES



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffinembedded; 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

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