

IGFBP2 Rabbit pAb

Catalog Number: bs-1108R

Target Protein: IGFBP2

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human (predicted:Mouse, Rat)

Predicted MW: 36 kDa

Entrez Gene: 3485

Swiss Prot: P18065

Source: KLH conjugated synthetic peptide derived from human IGFBP2: 101-200/305.

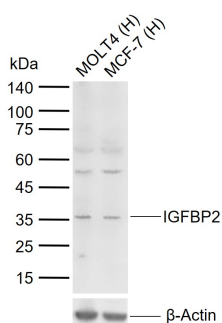
Purification: affinity purified by Protein A

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

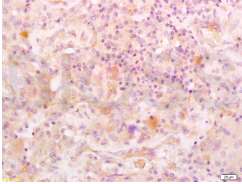
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: IGFBP2 (insulin-like growth factor binding protein 2) is a member of the ISGBP family which bind various IGFs. IGFBP2 is overexpressed in a wide spectrum of other cancers, including glioma, prostate cancer, synovial sarcoma, neuroblastoma, colon cancer, adrenocortical cancer, lung cancer, Wilms' tumor, and hepatoblastoma. The overexpression of IGFBP2 also correlates with the aggressiveness of some tumors. IGFBP2 activates the expression of matrix metalloproteinase 2, which contributes to cell invasiveness

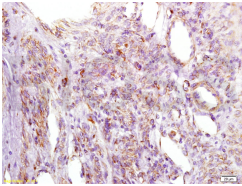
VALIDATION IMAGES



Sample: Lane 1: Human MOLT4 cell lysates Lane 2: Human MCF-7 cell lysates Primary: Anti-IGFBP2 (bs-1108R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 36 kDa Observed band size: 36 kDa



Tissue/cell: human glioma 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-IGFBP2 Polyclonal Antibody, Unconjugated(bs-1108R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: human cervical carcinoma; 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-IGFBP2 Polyclonal Antibody, Unconjugated(bs-1108R) 1:100, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

PRODUCT SPECIFIC PUBLICATIONS

- [IF=6.792] Zhao D et al. PCB52 exposure alters the neurotransmission ligand-receptors in male offspring and contributes to sex-specific neurodevelopmental toxicity. Environ Pollut.2020 Sep;264:114715. WB ; Rat . 32402713
- [IF=5.6] Dae-Hyun Lee. et al. Increased IGFBP2 Levels by Placenta-Derived Mesenchymal Stem Cells Enhance Glucose Metabolism in a TAA-Injured Rat Model via AMPK Signaling Pathway. INT J MOL SCI. 2023 Jan;24(22):16531 WB,IF ; Rat . 38003735
- [IF=2.776] Liu Y et al. IGFBP2 promotes immunosuppression associated with its mesenchymal induction and FcγRIIB phosphorylation in glioblastoma. PLoS One. 2019 Sep 27;14(9):e0222999. IHC,WB,FCM ; Mouse . 31560714
- [IF=3.464] Xiubing Chen. et al. Differential Plasma Proteins Identified via iTRAQ-Based Analysis Serve as Diagnostic Markers of Pancreatic Ductal Adenocarcinoma. DIS MARKERS. 2023 Jan 20;2023:5145152 IHC ; Human . 36712921
- [IF=2.5] Li Ji. et al. Role of increased IGFBP2 in trophoblast cell proliferation and recurrent spontaneous abortion development: A pilot study. PHYSIOL REP. 2024 Feb;12(3):e15939 IHC ; Human . 38316422