

bs-10585R**[Primary Antibody]****Bioss**
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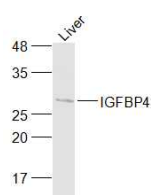
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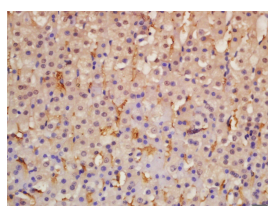
400-901-9800

IGFBP4 Rabbit pAb**— DATASHEET —**

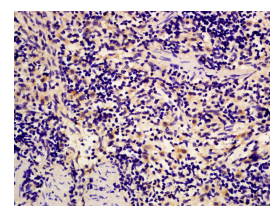
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 3487	SWISS: P22692	IHC-F (1:100-500)
Target: IGFBP4		IF (1:100-500)
Immunogen: KLH conjugated synthetic peptide derived from human IGFBP4: 181-254/254.		Reactivity: Mouse, Rat (predicted: Human, Pig, Sheep, Cow, Chicken, Horse)
Purification: affinity purified by Protein A		Predicted MW.: 26 kDa
Concentration: 1mg/ml		Subcellular Location: Secreted
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: Insulin like growth factor binding protein 4 (IGFBP4) is produced from a DNA sequence encoding the human IGFBP4 protein. Mature human IGFBP4 has a calculated molecular mass of approximately 26 kDa. Due to glycosylation, the recombinant protein migrates as a 32 kDa and 25 kDa protein under reducing and non reducing conditions, respectively. Human IGFBP4 has a potential N-linked glycosylation site and shares approximately 90% amino acid sequence identity with both mouse and rat IGFBP4. IGFBP4 is a member of the superfamily of insulin-like growth factor (IGF) binding proteins which include six high affinity IGF binding proteins (IGFBP) and at least four low affinity binding proteins referred to as IGFBP related proteins (IGFBPrP). IGFBP4 functions as an inhibitor of IGF action and its main function may be to protect cells from overstimulation by IGFs or to allow activation of alternate transmembrane signaling pathways that are inhibited by IGF exposure. IGFBP4 is expressed in multiple tissues including adrenal, testis, spleen, heart, lung, kidney, liver, stomach, hypothalamus, and brain cortex.		

— VALIDATION IMAGES —

Sample: Liver (Mouse) Lysate at 40 ug Primary:
Anti-IGFBP4 (bs-10585R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at
1/20000 dilution Predicted band size: 26 kD
Observed band size: 27 kD



Tissue/cell: Rat adrenal 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-IGFBP4 Polyclonal Antibody, Unconjugated(bs-10585R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: Rat spleen 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-IGFBP4 Polyclonal Antibody, Unconjugated(bs-10585R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

— SELECTED CITATIONS —

- **[IF=4.996]** Xi, Yue. et al. Low expression of IGFBP4 and TAGLN accelerate the poor overall survival of osteosarcoma. SCI

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

REP-UK. 2022 Jun;12(1):1-20 IF ;Human, Mouse. 35665757