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## IGFBP4 Rabbit pAb

Catalog Number: bs-1823R

Target Protein: IGFBP4

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: Mouse, Rat (predicted:Human, Pig, Sheep, Cow, Chicken, Horse)

Predicted MW: 26 kDa

Entrez Gene: 3487

Swiss Prot: P22692

Source: KLH conjugated synthetic peptide derived from human IGFBP4: 151-254/254.

Purification: affinity purified by Protein A

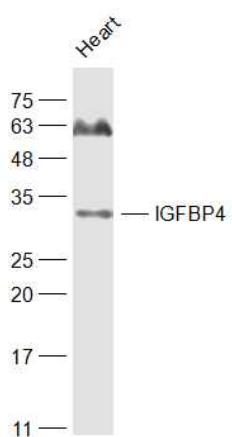
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

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

**Background:** 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

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Sample: Heart (Mouse) Lysate at 40 ug Primary: Anti-IGFBP4 (bs-1823R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 26 kD Observed band size: 31 kD