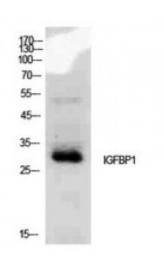


Anti-IGFBP1 antibody



Description

Rabbit polyclonal to IGFBP1.

Model STJ97262

Host Rabbit

Reactivity Human

Applications ELISA, IHC, WB

Immunogen Synthesized peptide derived from human IGFBP1.

Immunogen Region Internal

Gene ID <u>3484</u>

Gene Symbol <u>IGFBP1</u>

Dilution range WB 1:500-1:2000IHC-P 1:100-1:300ELISA 1:10000

Specificity IGFBP1 Polyclonal Antibody detects endogenous levels of IGFBP1 protein.

Purification The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Note For Research Use Only (RUO).

Protein Name Insulin-like growth factor-binding protein 1 IBP-1 IGF-binding protein 1

IGFBP-1 Placental protein 12 PP12

Clonality Polyclonal

Conjugation Unconjugated

Isotype IgG

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Concentration 1 mg/ml

Storage Instruction Store at -20°C, and avoid repeat freeze-thaw cycles.

Database Links <u>HGNC:5469OMIM:146730</u>

Alternative Names Insulin-like growth factor-binding protein 1 IBP-1 IGF-binding protein 1

IGFBP-1 Placental protein 12 PP12

Function IGF-binding proteins prolong the half-life of the IGFs and have been shown to

either inhibit or stimulate the growth promoting effects of the IGFs on cell culture. They alter the interaction of IGFs with their cell surface receptors.

Promotes cell migration.

Cellular Localization Secreted.

Post-translational Phosphorylated; probably by casein kinase II. Phosphorylation alters the **Modifications** affinity of the protein for IGFs. In amniotic fluid, the unmodified protein is

affinity of the protein for IGFs. In amniotic fluid, the unmodified protein is the most abundant form, while mono-, bi-, tri- and tetraphosphorylated forms are present in decreasing amounts. The phosphorylation state may influence the

propensity to proteolysis.

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