

Anti-IGFBP3 Antibody



Description

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.

Model	STJ114231
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	WB
Immunogen	Recombinant protein of human IGFBP3
Gene ID	3486
Gene Symbol	IGFBP3
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Expressed by most tissues, Present in plasma
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Insulin-like growth factor-binding protein 3 IBP-3 IGF-binding protein 3 IGFBP-3

Molecular Weight	31.674 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:5472OMIM:146732Reactome:R-HSA-381426
Alternative Names	Insulin-like growth factor-binding protein 3 IBP-3 IGF-binding protein 3 IGFBP-3
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, Also exhibits IGF-independent antiproliferative and apoptotic effects mediated by its receptor TMEM219/IGFBP-3R,
Cellular Localization	Secreted
Post-translational Modifications	Phosphorylated by FAM20C in the extracellular medium,

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