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Anti-IGFBP3 Antibody (aa130-179)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18048

Product Information

Application	WB, IHC-P, E
Primary Accession	P17936
Predicted	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	31674

Additional Information

Gene ID	3486
Alias Symbol	IGFBP3
Other Names	IGFBP3, Binding protein 29, Binding protein 53, BP-53, IGF-binding protein 3, IGFBP-3, IBP-3, IBP3
Target/Specificity	IGFBP-3 antibody detects endogenous levels of IGFBP-3.
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-IGFBP3 Antibody (aa130-179) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	IGFBP3
Synonyms	IBP3
Function	Multifunctional protein that plays a critical role in regulating the availability of IGFs such as IGF1 and IGF2 to their receptors and thereby regulates IGF-mediated cellular processes including proliferation, differentiation, and apoptosis in a cell-type specific manner (PubMed:10874028, PubMed:19556345). Also exhibits IGF- independent antiproliferative and apoptotic effects mediated by its receptor TMEM219/IGFBP-3R (PubMed:20353938). Inhibits the positive effect of humanin on insulin sensitivity (PubMed:19623253). Promotes testicular germ cell apoptosis (PubMed:19952275). Acts via LRP- 1/alpha2M receptor, also known as TGF-beta type V receptor, to mediate cell growth inhibition independent of IGF1 (PubMed:9252371). Mechanistically, induces serine-specific dephosphorylation of IRS1 or IRS2 upon ligation to its receptor, leading to the

	inhibitory cascade (PubMed:15371331). In the nucleus, interacts with transcription factors such as retinoid X receptor-alpha/RXRA to regulate transcriptional signaling and apoptosis (PubMed:10874028).
Cellular Location	Secreted. Nucleus
Tissue Location	Expressed by most tissues. Present in plasma.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.