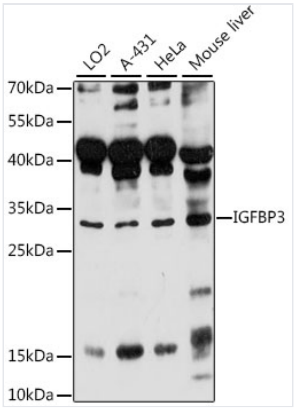
IGFBP3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	IGFBP3, Polyclonal Antibody
Full Product Name	IGFBP3 Polyclonal Antibody
Product Gene Name	anti-IGFBP3 antibody
Product Synonym Names	IGFBP3; BP-53; IBP3; insulin-like growth factor-binding protein 3
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Purity/Purification	Affinity Purification
Concentration	2.72 mg/ml (lot specific)
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	Calculated: 31kDa; 32kDa Observed: 32kDa
OMIM	146732
3D Structure	ModBase 3D Structure for P17936
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 100-200 of human IGFBP3 (NP_000589.2).
Immunogen Sequence	EARPLQALLDGRGLCVNASAVSRLRAYLLPAPPAPGNASESEEDRSAGSVESPSVSSTHRVSDPKFHPLHSKIIIIKKGHAKDSQRYKVDYESQSTDTQNF
Positive Samples	LO2, A-431, HeLa, Mouse Liver
Cellular Location	Secreted
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-IGFBP3 antibody	Western Blot (WB)
Application Notes for anti-IGFBP3 antibody	WB: 1:500-1:2000
Related Product Information for anti-IGFBP3 antibody	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.

Other Notes	Small volumes of anti-IGFBP3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for IGFBP3 purchase	MBS9140691 is an antibody targeting IGFBP3. Also known as IGFBP3 Polyclonal Antibody. Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-IGFBP3 antibody
Western blot-IGFBP3 Polyclonal Antibody

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IGFBP3. It may not necessarily be applicable to this product.

NCBI GI #	62243068
NCBI GeneID	3486
NCBI Accession #	NP_000589.2
UniProt Primary Accession #	P17936
UniProt Related Accession #	P17936
GenBank Nucleotide #	NP_000589.2
NCBI Official Full Name	insulin-like growth factor-binding protein 3 isoform b
NCBI Official Synonym Full Names	insulin like growth factor binding protein 3
NCBI Official Symbol	IGFBP3
NCBI Official Synonym Symbols	IBP3; BP-53
UniProt Protein Name	Insulin-like growth factor-binding protein 3
Protein Family	Insulin-like growth factor-binding protein
UniProt Gene Name	IGFBP3
UniProt Synonym Gene Names	IBP3; IBP-3; IGF-binding protein 3; IGFBP-3
UniProt Entry Name	IBP3_HUMAN
NCBI Protein Information	insulin-like growth factor-binding protein 3

UniProt Comments for IGFBP3	IGFBP3: 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. Protein type: Secreted; Cell development/differentiation; Secreted, signal peptide Chromosomal Location of Human Ortholog: 7p12.3 Cellular Component: insulin-like growth factor binding protein complex; extracellular space; extracellular region; nucleus Molecular Function: insulin-like growth factor binding; protein binding; insulin-like growth factor I binding; fibronectin binding; metal ion binding; insulin-like growth factor II binding; protein tyrosine phosphatase activator activity Biological Process: positive regulation of insulin-like growth factor receptor signaling pathway; positive regulation of catalytic activity; regulation of insulin-like growth factor receptor signaling pathway; apoptosis; positive regulation of apoptosis; negative regulation of smooth muscle cell proliferation; negative regulation of smooth muscle cell migration; protein amino acid phosphorylation; positive regulation of myoblast differentiation; negative regulation of signal transduction; osteoblast differentiation; negative regulation of cell proliferation; cellular protein metabolic process; negative regulation of protein amino acid phosphorylation; positive regulation of MAPKKK cascade; regulation of cell growth
Research Articles on IGFBP3	**1.** Findings suggest a PARP polymerase (PARP)-dependent role for non-POU domain containing, octamer-binding protein NONO (NONO) and splicing factor proline-glutamine rich protein (SFPQ) in insulin-like growth factor binding protein 3 (IGFBP-3)-dependent DNA double-strand break (DSB) repair.
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