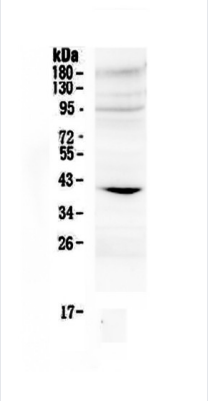
IGFBP3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	IGFBP3, Polyclonal Antibody
Full Product Name	Anti-IGFBP3 Picoband Antibody
Product Gene Name	anti-IGFBP3 antibody
Product Synonym Names	Insulin-like growth factor-binding protein 3; IBP-3; IGF-binding protein 3; IGFBP-3; Igfbp3; Igfbp-3
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Mouse, Rat No cross reactivity with other proteins.
Form/Format	Lyophilized
Purity/Purification	Immunogen affinity purified
Concentration	Add 0.2ml of distilled water will yield a concentration of 500ug/ml. (lot specific)
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.
Molecular Weight	31,680 Da
3D Structure	ModBase 3D Structure for P15473
Immunogen	E Coli-derived rat IGFBP3 recombinant protein (Position: A29-K268).
Subcellular Localization	Secreted.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Product Categories/Family for anti-IGFBP3 antibody	Cell Biology; Apoptosis; Receptors; Associated Proteins; Signal Transduction; Protein Phosphorylation; tyrosine Phosphatases; Cardiovascular; Angiogenesis; Angiogenic Factors; Growth Factors/Hormones; insulin/insulin-like; Atherosclerosis; Diabetes Associ
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for anti-IGFBP3 antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-IGFBP3 antibody	WB: 0.1-0.5mug/ml Direct ELISA: 0.1-0.5mug/ml
Related Product Information for anti-IGFBP3 antibody	Description: IGFBP3, Insulin-like growth fator-binding protein 3, 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. IGFBP3 is located on chromosome 7. 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. Protein 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.

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	MBS1750405 is an antibody targeting IGFBP3. Also known as Anti-IGFBP3 Picoband Antibody. Reactive in Mouse, Rat No cross reactivity with other proteins.. Host: Rabbit.



Western Blot (WB) of anti-IGFBP3 antibody
Figure 1. Western blot analysis of IGFBP3 using anti-IGFBP3 antibody (MBS1750405).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.Lane 1: rat heart tissue lysates.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-IGFBP3 antigen affinity purified polyclonal antibody at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for IGFBP3 at approximately 40KD. The expected band size for IGFBP3 is at 32KD.

ADDITIONAL DETAILS

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

NCBI GI #	298231182
NCBI GeneID	24484
NCBI Accession #	NP_036720.2
UniProt Primary Accession #	P15473
UniProt Related Accession #	P15473
GenBank Nucleotide #	NM_012588.2
NCBI Official Full Name	insulin-like growth factor-binding protein 3
NCBI Official Synonym Full Names	insulin-like growth factor binding protein 3
NCBI Official Symbol	Igfbp3
NCBI Official Synonym Symbols	IGF-BP3
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	Igfbp-3; IBP-3; IGF-binding protein 3; IGFBP-3

NCBI Protein Information	insulin-like growth factor-binding protein 3
NCBI Summary for IGFBP3	an insulin growth factor (Igf) binding protein; involved in modulating IGF-I action [RGD, Feb 2006]
UniProt Comments for 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.
Research Articles on IGFBP3	**1.** Compound 49b treatment inhibited these retinal changes. In REC cultured in hypoxia, levels of IGFBP-3 were reduced, which were significantly increased by Compound 49b.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-mouse-rat-antibody/igfbp3/1750405