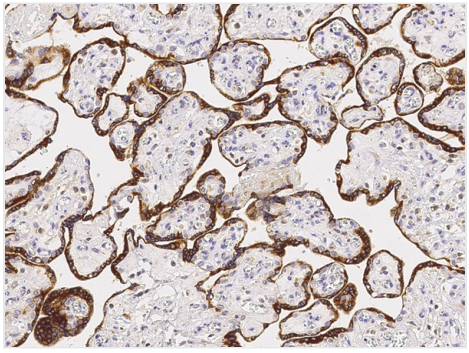
IGFBP-3 (IGFBP3) Antibody – Rabbit Polyclonal

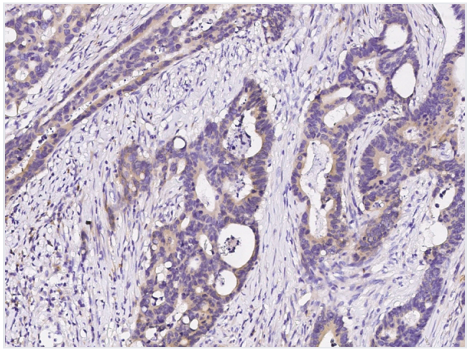
PRODUCT OVERVIEW

Product Name	IGFBP-3 (IGFBP3), Polyclonal Antibody
Full Product Name	Anti-IGFBP-3 Antibody, Rabbit Polyclonal
Product Gene Name	anti-IGFBP3 antibody
Product Synonym Names	IGFBP3 Antibody, Rabbit PAb, Antigen Affinity Purified; insulin-like growth factor binding protein 3
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Cynomolgus
Form/Format	Liquid; 0.2um filtered solution in PBS
Purity/Purification	Protein A & Antigen Affinity
Specificity	Cynomolgus IGFBP3
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Immunogen	Recombinant Cynomolgus IGFBP3 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Cynomolgus IGFBP3. IGFBP3 specific IgG was purified by Cynomolgus IGFBP3 affinity chromatography.
Applications Tested/Suitable for anti-IGFBP3 antibody	ELISA (EIA), Immunohistochemistry-Paraffin (IHC-P)
Application Notes for anti-IGFBP3 antibody	ELISA: 1:5000-1:10,000 IHC-P: 1:1000-1:4000
Related Product Information for anti-IGFBP3 antibody	The Insulin-like Growth Factor (IGF) signaling system plays a central role in cellular growth, differentiation, and proliferation. IGFBP3 is the most abundant IGF binding protein in human serum and is a growth inhibitory, apoptosis-inducing molecule, capable of acting via IGF-dependent and IGF-independent mechanisms. It appears to function both by cell cycle blockade and the induction of apoptosis. IGFBP3 can be transported to the nucleus by an importin beta mediated mechanism, where it has been shown to interact with the retinoid X receptor alpha and possibly other nuclear elements. IGFBP3 antiproliferative signaling appears to require an active transforming growth factor-beta (TGF-beta) signaling pathway, and IGFBP3 stimulates phosphorylation of the TGF-beta signaling intermediates Smad2 and Smad3. IGFBP3 has IGF-independent roles in inhibiting cell proliferation in cancer cell lines. Nuclear transcription factor, retinoid X receptor (RXR)-alpha, and IGFBP3 functionally interact to reduce prostate tumor growth and prostate-specific antigen in vivo. Several clinical studies have proposed that individuals with IGFBP3 levels in the upper range of normal may have a decreased risk for certain common cancers. This includes evidence of a protective effect against breast cancer, prostate cancer, colorectal cancer, and lung cancer. Moreover, IGFBP3 inhibits insulin-stimulated glucose uptake into adipocytes independent of IGF.
Product References and Citations for anti-IGFBP3 antibody	Baxter RC. (2001) Signalling pathways involved in antiproliferative effects of IGFBP-3: a review. Mol Pathol. 54(3): 145-8.Butt AJ, et al. (2001) IGFBP-3 and apoptosis--a license to kill? Apoptosis. 6(3): 199-205.Ali O, et al. (2003) Epidemiology and biology of insulin-like growth factor binding protein-3 (IGFBP-3) as an anti-cancer molecule. Horm Metab Res. 35(11-12): 726-33.Yamada PM, et al. (2009) Perspectives in mammalian IGFBP-3 biology: local vs. systemic action. Am J Physiol Cell Physiol. 296(5): C954-76.

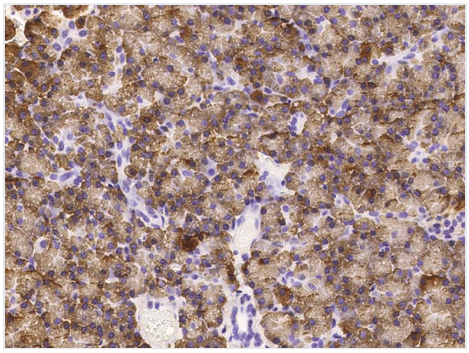
Other Notes	Small volumes of anti-IGFBP3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for IGFBP3 purchase	MBS8113188 is an antibody targeting IGFBP3. Also known as Anti-IGFBP-3 Antibody, Rabbit Polyclonal. Reactive in Cynomolgus. Host: Rabbit.



Immunohistochemistry (IHC) of anti-IGFBP3 antibody
Immunochemical staining of cynomolgus IGFBP3 in human placenta with rabbit polyclonal antibody (1:2000, formalin-fixed paraffin embedded sections).



Immunohistochemistry (IHC) of anti-IGFBP3 antibody
Immunochemical staining of cynomolgus IGFBP3 in human colon carcinoma with rabbit polyclonal antibody (1:10000, formalin-fixed paraffin embedded sections).



Immunohistochemistry (IHC) of anti-IGFBP3 antibody
Immunochemical staining of cynomolgus IGFBP3 in cynomolgus pancreas with rabbit polyclonal antibody (1:2000, formalin-fixed paraffin embedded sections).

ADDITIONAL DETAILS

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

Protein Family	Insulin-like growth factor-binding protein
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.
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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.

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