

Rabbit anti-Cynomolgus IGFBP-3 Polyclonal Antibody | anti-IGFBP3 antibody

Anti-IGFBP-3 Antibody, Rabbit Polyclonal

CATALOG # AAA257355	HOST Rabbit	REACTIVITY Cynomolgus	APPLICATIONS Immunohistochemistry, ELISA
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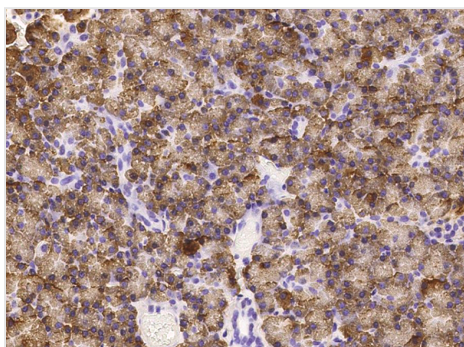
PRODUCT SYNONYMS

IGFBP-3; Polyclonal Antibody; Anti-IGFBP-3 Antibody; Rabbit Polyclonal; IGFBP3 Antibody; Rabbit PAb; Antigen Affinity Purified; insulin-like growth factor binding protein 3; anti-IGFBP3 antibody

PRODUCT SPECIFICATIONS

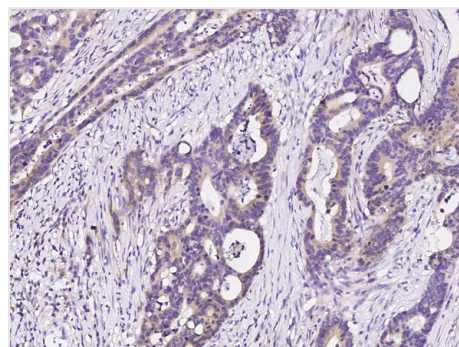
Host	Rabbit
Reactivity	Cynomolgus
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Cynomolgus IGFBP3
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-IGFBP3 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant 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.
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.

IMAGES



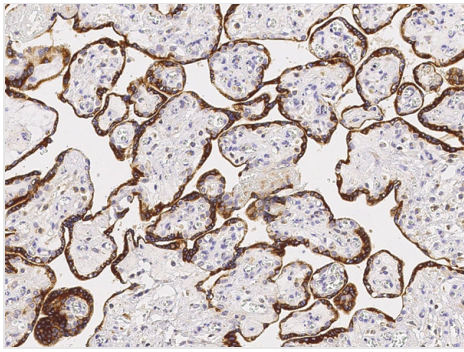
IHC (Immunohistochemistry)

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



IHC (Immunohistochemistry)

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



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

ADDITIONAL INFORMATION

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.
References	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.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
 Online datasheet: <https://stage.aaabiotech.com/polyclonal/igfbp-3-antibody-immunohistochemistry-elisa/257355>