

Rabbit IGFBP1 Polyclonal Antibody | anti-IGFBP1 antibody

Anti-IGFBP1 Picoband Antibody

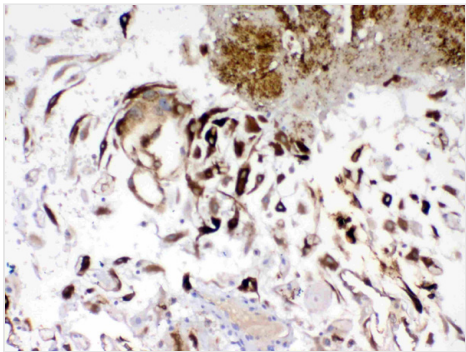
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA124604	Rabbit	HumanNo cross reactivity with other proteins	Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

IGFBP1; Polyclonal Antibody; Anti-IGFBP1 Picoband Antibody; Insulin-like growth factor-binding protein 1; IBP-1; IGF-binding protein 1; IGFBP-1; Placental protein 12; PP12; IBP1; anti-IGFBP1 antibody

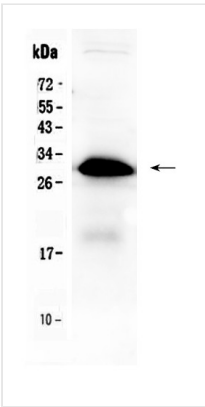
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human No cross reactivity with other proteins
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified
Form/Format	Lyophilized
Concentration	Add 0.2ml of distilled water will yield a concentration of 500ug/ml. (varies by lot)
Sequence Length	259
Applicable Applications for anti-IGFBP1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Immunogen	E Coli-derived human IGFBP1 recombinant protein (Position: A69-N259). Human IGFBP1 shares 67.8% and 69.3% amino acid (aa) sequence identity with mouse and rat IGFBP1, respectively.
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.
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.



IHC (Immunohistochemistry)

Figure 2. IHC analysis of IGFBP1 using anti- IGFBP1 antibody (AAA124604).IGFBP1 was detected in paraffin-embedded section of human placenta tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti- IGFBP1 Antibody (AAA124604) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of IGFBP1 using anti-IGFBP1 antibody (AAA124604).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: human placenta 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-IGFBP1 antigen affinity purified polyclonal antibody at 0.5ug/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 IGFBP1 at approximately 30KD. The expected band size for IGFBP1 is at 30KD.

ADDITIONAL INFORMATION

Related Product Information for anti-IGFBP1 antibody	Description: IGFBP1, Insulin-like growth factor-binding protein 1, also known as placental protein 12 (PP12), is a protein that in humans is encoded by the IGFBP1 gene. The IGFBP1 gene has 4 exons and spans 5.9 kb. And the IGFBP1 gene is localized to 7p13-p12 by in situ hybridization. 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 type-I thyroglobulin domain. The protein binds both insulin-like growth factors (IGFs) I and II and circulates in the plasma. Binding of this protein prolongs the half-life of the IGFs and alters 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. Promotes cell migration.
Product Categories/Family for anti-IGFBP1 antibody	Signal Transduction; Growth Factors/Hormones; insulin/insulin-like; Cancer; Growth Factors; insulin and insulin-like; Cardiovascular; Atherosclerosis; Diabetes Associated; Kits/Lysates/Other; ELISA Kits; growth factors and Hormones ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504615
NCBI GeneID	3484
NCBI Accession #	NP_000587.1
NCBI GenBank Nucleotide #	NM_000596.3
UniProt Accession #	P08833; Q8IYP5; A4D2F4; D3DVL9
Molecular Weight	27904 MW
NCBI Official Full Name	insulin-like growth factor-binding protein 1
NCBI Official Synonym Full Names	insulin like growth factor binding protein 1
NCBI Official Symbol	IGFBP1

NCBI Official Synonym Symbols	AFBP; IBP1; PP12; IGF-BP25; hIGFBP-1
NCBI Protein Information	insulin-like growth factor-binding protein 1
UniProt Protein Name	Insulin-like growth factor-binding protein 1
UniProt Gene Name	IGFBP1
UniProt Synonym Gene Names	IBP1; IBP-1; IGF-binding protein 1; IGFBP-1; PP12

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/igfbp1-antibody-western-blot-immunohistochemistry-elisa/124604>