

Rabbit IGFBP4 Polyclonal Antibody | anti-IGFBP4 antibody

IGFBP4 Antibody (N-term)

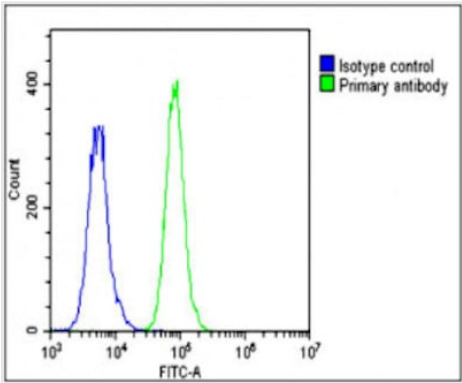
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287458	Rabbit	Human, Mouse, Rat (Predicted Reactivity: Bovine, Pig)	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

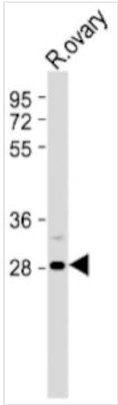
IGFBP4; Polyclonal Antibody; IGFBP4 Antibody (N-term); Insulin-like growth factor-binding protein 4; IBP-4; IGF-binding protein 4; IGFBP-4; IBP4; anti-IGFBP4 antibody

PRODUCT SPECIFICATIONS

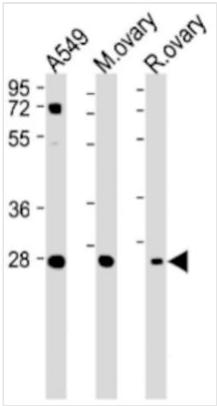
Host	Rabbit
Reactivity	Human, Mouse, Rat (Predicted Reactivity: Bovine, Pig)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This IGFBP4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 66-92 amino acids from the N-terminal region of human IGFBP4.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Positions	66-92
Sequence Length	258
Applicable Applications for anti-IGFBP4 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
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.
Cellular Location	Secreted.
Preparation and Storage	Store at -20°C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
Overlay histogram showing A549 cells stained with AAA287458 (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AAA287458, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(1583138) at 1/200 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG1 (1ug/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.



WB (Western Blot)
Anti-IGFBP4 Antibody (N-term) at 1:2000 dilution + Rat ovary lysate Lysates/proteins at 20 ug per lane.Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.Predicted band size : 28 kDa Blocking/Dilution buffer: 5% NFDm/TBST.



WB (Western Blot)
All lanes : Anti-IGFBP4 Antibody (N-term) at 1:2000 dilutionLane 1: A549 whole cell lysateLane 2: Mouse ovary lysateLane 3: Rat ovary lysate Lysates/proteins at 20 ug per lane.Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.Predicted band size : 28 kDaBlocking/Dilution buffer: 5% NFDm/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-IGFBP4 antibody	IGFBP4 has an IGFBP domain and a thyroglobulin type-I domain. The protein binds both insulin-like growth factors (IGFs) I and II and circulates in the plasma in both glycosylated and non-glycosylated forms. Binding of this protein prolongs the half-life of the IGFs and alters their interaction with cell surface receptors.
Product Categories/Family for anti-IGFBP4 antibody	Cancer; Cardiovascular; Signal transduction
References	Durai,R., et.al., Colorectal Dis 9 (7), 625-631 (2007) Laursen,L.S., et.al., Mol. Endocrinol. 21 (5), 1246-1257 (2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	62243290
NCBI GeneID	3487
NCBI Accession #	NP_001543.2

NCBI GenBank Nucleotide #	NM_001552.2
UniProt Accession #	P22692; Q5U012; Q9UCL6; A0N9W2; B4E351
NCBI Official Full Name	insulin-like growth factor-binding protein 4
NCBI Official Synonym Full Names	insulin-like growth factor binding protein 4
NCBI Official Symbol	IGFBP4
NCBI Official Synonym Symbols	BP-4; IBP4; IGFBP-4; HT29-IGFBP
NCBI Protein Information	insulin-like growth factor-binding protein 4
UniProt Protein Name	Insulin-like growth factor-binding protein 4
UniProt Gene Name	IGFBP4
UniProt Synonym Gene Names	IBP4; IBP-4; IGF-binding protein 4; IGFBP-4
UniProt Entry Name	IBP4_HUMAN

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://www.aaabiotech.com/polyclonal/igfbp4-antibody-flow-cytometry-western-blot-elisa/287458>