

Rabbit anti-Human IGBP1 Polyclonal Antibody | anti-IGBP1 antibody

Anti-IGBP1 Antibody Picoband

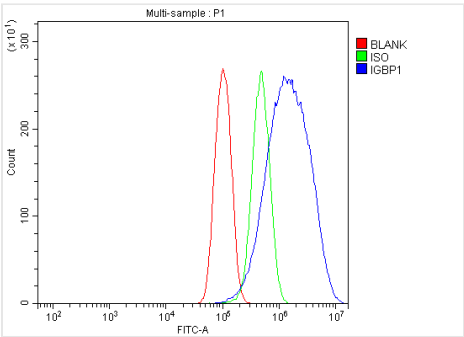
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126445	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

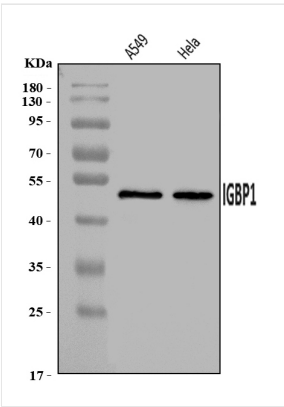
IGBP1; Polyclonal Antibody; Anti-IGBP1 Antibody Picoband; anti-IGBP1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-IGBP1 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human IGBP1 recombinant protein (Position: D47-I208).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of PC-3 cells using anti-IGBP1 antibody (AAA126445).Overlay histogram showing PC-3 cells stained with AAA126445 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-IGBP1 Antibody (AAA126445, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)
Figure 1. Western blot analysis of IGBP1 using anti-IGBP1 antibody (AAA126445).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 30 ug of sample under reducing conditions.Lane 1: human A549 whole cell lysates,Lane 2: human HeLa whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA 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-IGBP1 antigen affinity purified polyclonal antibody (#AAA126445) 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 1:5000 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 IGBP1 at approximately 45 kDa. The expected band size for IGBP1 is at 45 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-IGBP1 antibody	Immunoglobulin-binding protein 1 is a protein that in humans is encoded by the IGBP1 gene. The proliferation and differentiation of B cells is dependent upon a B-cell antigen receptor (BCR) complex. Binding of antigens to specific B-cell receptors results in a tyrosine phosphorylation reaction through the BCR complex and leads to multiple signal transduction pathways.
Product Categories/Family for anti-IGBP1 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557663
NCBI GeneID	3476
NCBI Accession #	NP_001542
NCBI GenBank Nucleotide #	NM_001551
UniProt Accession #	P78318; Q8TAB2
Molecular Weight	39,222 Da
NCBI Official Full Name	immunoglobulin-binding protein 1
NCBI Official Synonym Full Names	immunoglobulin (CD79A) binding protein 1
NCBI Official Symbol	IGBP1
NCBI Official Synonym Symbols	IBP1; ALPHA-4
NCBI Protein Information	immunoglobulin-binding protein 1; B cell signal transduction molecule alpha 4; B-cell signal transduction molecule alpha 4; CD79a-binding protein 1; bA351K23.1 (immunoglobulin binding protein 1 (CD79A)); protein alpha-4; protein phosphatase 2/4/6 regulat

UniProt Protein Name	Immunoglobulin-binding protein 1
UniProt Gene Name	IGBP1
UniProt Synonym Gene Names	IBP1; Protein alpha-4
UniProt Entry Name	IGBP1_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://stage.aaabiotech.com/polyclonal/igbp1-antibody-flow-cytometry-western-blot-elisa/126445>