

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

Anti-IGBP1 Antibody Picoband

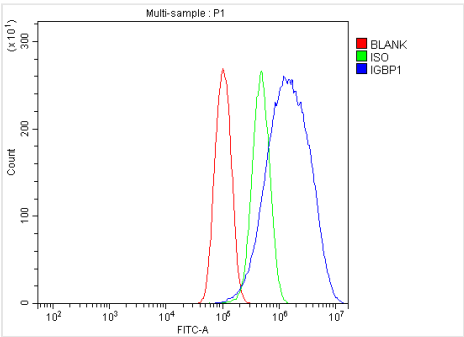
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                          |
|-----------|--------|------------|-------------------------------------------------------|
| AAA126445 | Rabbit | Human      | ELISA, Flow Cytometry, Functional Assay, Western Blot |

### PRODUCT SYNONYMS

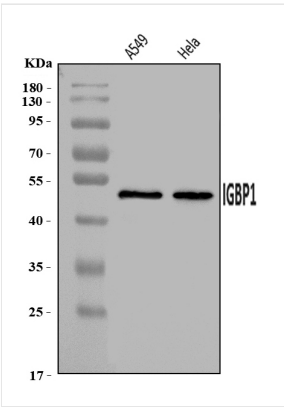
IGBP1; Polyclonal Antibody; Anti-IGBP1 Antibody Picoband; anti-IGBP1 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                              |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                       |
| Reactivity                                      | Human                                                                                                                                                                                                                        |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                   |
| Isotype                                         | Rabbit IgG                                                                                                                                                                                                                   |
| Purity/Purification                             | Immunogen affinity purified.                                                                                                                                                                                                 |
| Form/Format                                     | Lyophilized<br>Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .                                                                                                                     |
| 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/1x10<sup>6</sup> 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/1x10<sup>6</sup>) 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>