

Rabbit IMP3/IGF2BP3 Polyclonal Antibody | anti-IGF2BP3 antibody

Anti-IMP3/IGF2BP3 Antibody Picoband

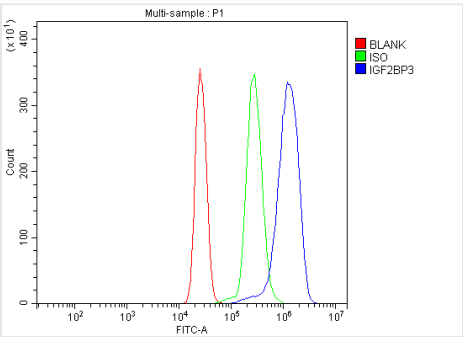
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126218	Rabbit	Human, Mouse, Rat	Western Blot, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

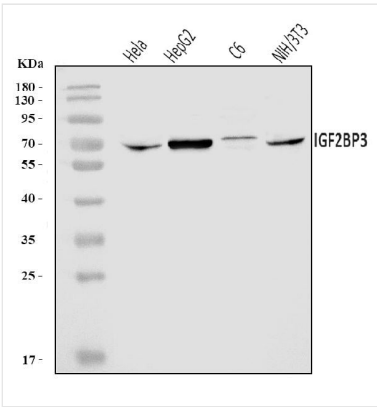
IMP3/IGF2BP3; Polyclonal Antibody; Anti-IMP3/IGF2BP3 Antibody Picoband; anti-IGF2BP3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
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-IGF2BP3 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), ELISA
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human IMP3/IGF2BP3 recombinant protein (Position: N8-K579).
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 U937 cells using anti-IMP3/IGF2BP3 antibody (AAA126218).Overlay histogram showing U937 cells stained with AAA126218 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-IMP3/IGF2BP3 Antibody (AAA126218, 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 IMP3/IGF2BP3 using anti-IMP3/IGF2BP3 antibody (AAA126218).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 Hela whole cell lysates,Lane 2: human HepG2 whole cell lysates,Lane 3: rat C6 whole cell lysates,Lane 4: mouse NIH/3T3 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-IMP3/IGF2BP3 antigen affinity purified polyclonal antibody (#AAA126218) 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 IMP3/IGF2BP3 at approximately 64 kDa. The expected band size for IMP3/IGF2BP3 is at 64 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-IGF2BP3 antibody	Insulin-like growth factor 2 mRNA-binding protein 3 is a protein that in humans is encoded by the IGF2BP3 gene. The protein encoded by this gene is primarily found in the nucleolus, where it can bind to the 5' UTR of the insulin-like growth factor II leader 3 mRNA and may repress translation of insulin-like growth factor II during late development. The encoded protein contains several KH domains, which are important in RNA binding and are known to be involved in RNA synthesis and metabolism. A pseudogene exists on chromosome 7, and there are putative pseudogenes on other chromosomes.
Product Categories/Family for anti-IGF2BP3 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	30795212
NCBI GeneID	10643
NCBI Accession #	NP_006538.2
NCBI GenBank Nucleotide #	NM_006547.2
UniProt Accession #	O00425; Q63HM0; Q6MZZ2; Q86VB1; A0A4Z5
Molecular Weight	63,705 Da
NCBI Official Full Name	insulin-like growth factor 2 mRNA-binding protein 3
NCBI Official Synonym Full Names	insulin-like growth factor 2 mRNA binding protein 3
NCBI Official Symbol	IGF2BP3
NCBI Official Synonym Symbols	CT98; IMP3; KOC1; IMP-3; VICKZ3

NCBI Protein Information	insulin-like growth factor 2 mRNA-binding protein 3; hKOC; VICKZ family member 3; cancer/testis antigen 98; IGF2 mRNA-binding protein 3; IGF II mRNA binding protein 3; IGF-II mRNA-binding protein 3; KH domain containing protein overexpressed in cancer; KH
UniProt Protein Name	Insulin-like growth factor 2 mRNA-binding protein 3
UniProt Gene Name	IGF2BP3
UniProt Synonym Gene Names	IMP3; KOC1; VICKZ3; IGF2 mRNA-binding protein 3; IMP-3; hKOC
UniProt Entry Name	IF2B3_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/imp3-igf2bp3-antibody-western-blot-flow-cytometry-elisa/126218>