

Rabbit anti-Mouse Gbp4 Polyclonal Antibody | anti-GBP4 antibody

Anti-Gbp4 Antibody Picoband

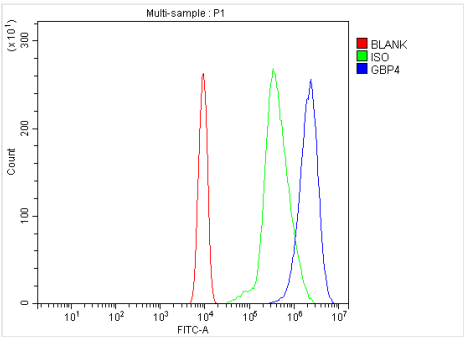
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126587	Rabbit	Mouse	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

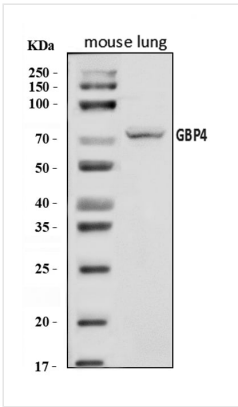
Gbp4; Polyclonal Antibody; Anti-Gbp4 Antibody Picoband; anti-GBP4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
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-GBP4 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 mouse Gbp4 recombinant protein (Position: E9-G277).
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 ANA-1 cells using anti-Gbp4 antibody (AAA126587).Overlay histogram showing ANA-1 cells stained with AAA126587 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Gbp4 Antibody (AAA126587, 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 Gbp4 using anti-Gbp4 antibody (AAA126587).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: mouse lung tissue 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-Gbp4 antigen affinity purified polyclonal antibody (#AAA126587) 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 Gbp4 at approximately 73 kDa. The expected band size for Gbp4 is at 73 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-GBP4 antibody	Guanylate binding protein 4 is a protein in humans that is encoded by the GBP4 gene. Guanylate-binding protein 4, Binds GTP, GDP and GMP. Hydrolyzes GTP very efficiently; GDP rather than GMP is the major reaction product. Plays a role in erythroid differentiation.
Product Categories/Family for anti-GBP4 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	134053871
NCBI GeneID	55932
NCBI Accession #	NP_061204.3
NCBI GenBank Nucleotide #	NM_018734.4
UniProt Accession #	Q61107; Q8VEC5
Molecular Weight	70,801 Da
NCBI Official Full Name	guanylate-binding protein 4
NCBI Official Synonym Full Names	guanylate binding protein 3
NCBI Official Symbol	Gbp3
NCBI Official Synonym Symbols	Gbp4; GBP-3; GBP-4; AW228655
NCBI Protein Information	guanylate-binding protein 4
UniProt Protein Name	Guanylate-binding protein 4
UniProt Gene Name	Gbp4

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/gbp4-antibody-flow-cytometry-western-blot-elisa/126587>