

Rabbit GRASP1/GRIPAP1 Polyclonal Antibody | anti-GRIPAP1 antibody

Anti-GRASP1/GRIPAP1 Antibody Picoband

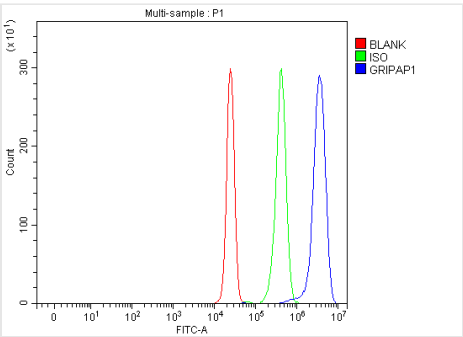
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126616	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

GRASP1/GRIPAP1; Polyclonal Antibody; Anti-GRASP1/GRIPAP1 Antibody Picoband; anti-GRIPAP1 antibody

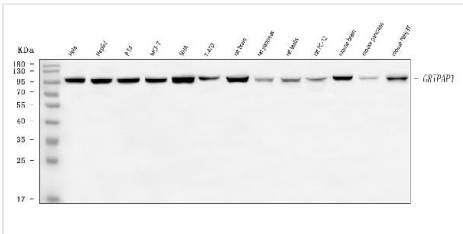
PRODUCT SPECIFICATIONS

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-GRIPAP1 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 GRASP1/GRIPAP1 recombinant protein (Position: R42-S841).
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 HepG2 cells using anti-GRASP1/GRIPAP1 antibody (AAA126616). Overlay histogram showing HepG2 cells stained with AAA126616 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-GRASP1/GRIPAP1 Antibody (AAA126616, 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 GRASP1/GRIPAP1 using anti-GRASP1/GRIPAP1 antibody (AAA126616). 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: huamn HepG2 whole cell lysates, Lane 3: human RT4 whole cell lysates, Lane 4: human MCF-7 whole cell lysates, Lane 5: human SiHa whole cell lysates, Lane 6: human T-47D whole cell lysates, Lane 7: rat brain tissue lysates, Lane 8: rat panceras tissue lysates, Lane 9: rat testis tissue lysates, Lane 10: rat PC-12 whole cell lysates, Lane 11: mouse brain tissue lysates, Lane 12: mouse pancreas tissue lysates, Lane 13: 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-GRASP1/GRIPAP1 antigen affinity purified polyclonal antibody (#AAA126616) at 0.25 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 GRASP1/GRIPAP1 at approximately 96 kDa. The expected band size for GRASP1/GRIPAP1 is at 96 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-GRIPAP1 antibody	GRIP1-associated protein 1 is a protein that in humans is encoded by the GRIPAP1 gene. This gene encodes a guanine nucleotide exchange factor for the Ras family of small G proteins (RasGEF). The encoded protein interacts in a complex with glutamate receptor interacting protein 1 (GRIP1) and plays a role in the regulation of AMPA receptor function.
Product Categories/Family for anti-GRIPAP1 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	46592991
NCBI GeneID	56850
NCBI Accession #	NP_064522.3
NCBI GenBank Nucleotide #	NM_020137.4
UniProt Accession #	Q4V328; Q3MJ75; Q4V327; Q4V330; Q5HYG1; Q6N046; Q96DH8; Q9NQ43; Q9ULQ3; A6NL78
Molecular Weight	92,738 Da
NCBI Official Full Name	GRIP1-associated protein 1
NCBI Official Synonym Full Names	GRIP1 associated protein 1
NCBI Official Symbol	GRIPAP1
NCBI Official Synonym Symbols	GRASP-1
NCBI Protein Information	GRIP1-associated protein 1
UniProt Protein Name	GRIP1-associated protein 1
UniProt Gene Name	GRIPAP1

UniProt Synonym Gene Names	KIAA1167; GRASP-1
UniProt Entry Name	GRAP1_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/grasp1-gripap1-antibody-flow-cytometry-western-blot-elisa/126616>