

Rabbit anti-Human, Mouse GIT2 Polyclonal Antibody | anti-GIT2 antibody

Anti-GIT2 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126382	Rabbit	Human, Mouse	Western Blot, Flow Cytometry, Functional Assay, ELISA

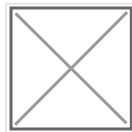
PRODUCT SYNONYMS

GIT2; Polyclonal Antibody; Anti-GIT2 Antibody Picoband; anti-GIT2 antibody

PRODUCT SPECIFICATIONS

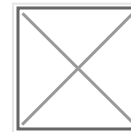
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-GIT2 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 GIT2 recombinant protein (Position: D400-S556).
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.

IMAGES



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of PC-3 cells using anti-GIT2 antibody (AAA126382). Overlay histogram showing PC-3 cells stained with AAA126382 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-GIT2 Antibody (AAA126382, 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 GIT2 using anti-GIT2 antibody (AAA126382). 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 Jurkat whole cell lysates, Lane 3: human HepG2 whole cell lysates, Lane 4: 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-GIT2 antigen affinity purified polyclonal antibody (#AAA126382) 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 GIT2 at approximately 85 kDa. The expected band size for GIT2 is at 85 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-GIT2 antibody	ARF GTPase-activating protein GIT2 is an enzyme that in humans is encoded by the GIT2 gene. This gene encodes a member of the GIT protein family, which interact with G protein-coupled receptor kinases and possess ADP-ribosylation factor (ARF) GTPase-activating protein (GAP) activity. GIT proteins traffic between cytoplasmic complexes, focal adhesions, and the cell periphery, and interact with Pak interacting exchange factor beta (PIX) to form large oligomeric complexes that transiently recruit other proteins. GIT proteins regulate cytoskeletal dynamics and participate in receptor internalization and membrane trafficking. This gene has been shown to repress lamellipodial extension and focal adhesion turnover, and is thought to regulate cell motility. This gene undergoes extensive alternative splicing to generate multiple isoforms, but the full-length nature of some of these variants has not been determined. The various isoforms have functional differences, with respect to ARF GAP activity and to G protein-coupled receptor kinase 2 binding.
Product Categories/Family for anti-GIT2 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	206725420
NCBI GeneID	9815
NCBI Accession #	NP_001128685.1
NCBI GenBank Nucleotide #	NM_001135213.1
UniProt Accession #	Q14161; Q86U59; Q96CI2; Q9BV91; Q9Y5V2
Molecular Weight	84,543 Da
NCBI Official Full Name	ARF GTPase-activating protein GIT2 isoform 6
NCBI Official Synonym Full Names	G protein-coupled receptor kinase interacting ArfGAP 2
NCBI Official Symbol	GIT2
NCBI Official Synonym Symbols	CAT2; CAT-2
NCBI Protein Information	ARF GTPase-activating protein GIT2; ARF GAP GIT2; GRK-interacting protein 2; G protein-coupled receptor kinase-interactor 2; cool-associated, tyrosine phosphorylated protein 2; cool-interacting tyrosine-phosphorylated protein 2
UniProt Protein Name	ARF GTPase-activating protein GIT2
UniProt Gene Name	GIT2
UniProt Synonym Gene Names	KIAA0148; ARF GAP GIT2; CAT-2; CAT2
UniProt Entry Name	GIT2_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.