

Rabbit GIT1 Polyclonal Antibody | anti-GIT1 antibody

GIT1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327581	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

GIT1; Polyclonal Antibody; GIT1 Antibody; ARF GAP GIT1; ARF GTPase activating protein GIT1; ARF GTPase-activating protein GIT1; CAT 1; CAT-1; CaT1; Cool associated and tyrosine phosphorylated protein 1; Cool-associated and tyrosine-phosphorylated protein 1; G protein coupled receptor kinase interacting ArfGAP 1; G protein coupled receptor kinase interactor 1; G protein-coupled receptor kinase-interactor 1; GIT1_HUMAN; GRK interacting protein 1; GRK-interacting protein 1; anti-GIT1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GIT1 antibody detects endogenous levels of total GIT1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	770
Applicable Applications for anti-GIT1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GIT1
Subcellular Location	Cytoplasm. Cycles between at least 3 distinct intracellular compartments, including focal adhesions, cytoplasmic complexes and membrane protrusions. During cell migration, when cells detach, moves from the adhesions into the cytoplasmic complexes towards the leading edge, while, when cells adhere, it is found in vinculin-containing adhesions. Recruitment to adhesions may be mediated by active tyrosine-phosphorylated paxillin.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (88%), Rabbit (100%), Dog (100%), Chicken (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis GIT1 using HuvEc whole cell lysates



IHC (Immunohistochemistry)
AAA327581 at 1/100 staining Human prostate tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)
AAA327581 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-GIT1 antibody	Function: GTPase-activating protein for the ADP ribosylation factor family. May serve as a scaffold to bring together molecules to form signaling modules controlling vesicle trafficking, adhesion and cytoskeletal organization. Increases the speed of cell migration, as well as the size and rate of formation of protrusions, possibly by targeting PAK1 to adhesions and the leading edge of lamellipodia. Sequesters inactive non-tyrosine-phosphorylated paxillin in cytoplasmic complexes. Involved in the regulation of cytokinesis; the function may involve SDCCAG3 and PTPN13 (By similarity). Subunit Structure: Interacts with G protein-coupled receptor kinases: GRK2, PPFIA1 and PPFIA4. Interacts with ARHGEF6/alpha-PIX, with ARHGEF7/beta-PIX, with PXN/paxillin and with PTK2/FAK1 (By similarity). Component of cytoplasmic complexes, which also contain PXN, ARHGEF6 and PAK1. Interacts with TGFB1I1. Interacts with SCRIB. Interacts with SDCCAG3 (PubMed:23108400). Post-translational Modifications: Phosphorylated on tyrosine residues by PTK2/FAK1 and SRC in growing fibroblasts. Tyrosine-phosphorylation is increased following cell spreading on fibronectin, decreased in cells arrested in mitosis and increased in the ensuing G1 phase (By similarity). Similarity: The paxillin-binding domain is masked in the full-length protein and is regulated by ARHGEF6.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	146231998
NCBI GeneID	28964
NCBI Accession #	NP_001078923.1
NCBI GenBank Nucleotide #	NM_001085454.1
UniProt Accession #	Q9Y2X7; Q86SS0; Q9BRJ4; B4DGU9; B4DSV3
Molecular Weight	Observed: 84 kDa Predicted: 85 kDa
NCBI Official Full Name	ARF GTPase-activating protein GIT1 isoform 1
NCBI Official Synonym Full Names	GIT ArfGAP 1
NCBI Official Symbol	GIT1
NCBI Protein Information	ARF GTPase-activating protein GIT1
UniProt Protein Name	ARF GTPase-activating protein GIT1

UniProt Gene Name	GIT1
UniProt Synonym Gene Names	ARF GAP GIT1; CAT-1; CAT1

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/git1-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/327581>