

Rabbit GIT1 Polyclonal Antibody | anti-GIT1 antibody

GIT1 (Y554) Antibody (C-term)

CATALOG # AAA290702	HOST Rabbit	REACTIVITY Human, Mouse; Predicted Reactivity: Rat	APPLICATIONS ELISA, Flow Cytometry, Functional Assay, Western Blot
-------------------------------	-----------------------	--	--

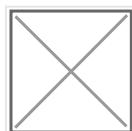
PRODUCT SYNONYMS

GIT1; Polyclonal Antibody; GIT1 (Y554) Antibody (C-term); ARF GTPase-activating protein GIT1; ARF GAP GIT1; Cool-associated and tyrosine-phosphorylated protein 1; CAT-1; CAT1; G protein-coupled receptor kinase-interactor 1; GRK-interacting protein 1; anti-GIT1 antibody

PRODUCT SPECIFICATIONS

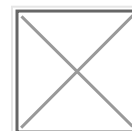
Host	Rabbit
Reactivity	Human, Mouse; Predicted Reactivity: Rat
Clonality	Polyclonal
Isotype	Ig
Specificity	This GIT1-Y554 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 533-561 amino acids from the C-terminal region of human GIT1-Y554.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Length	761
Applicable Applications for anti-GIT1 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Subtitle	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Cellular Location	Cytoplasm. Note=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.
Antigen Region	533-561 aa
Antigen Type	Synthetic Peptide
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

GIT1-Y554 Antibody (C-term) flow cytometric analysis of NCI-H460 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

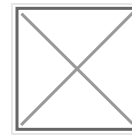


WB (Western Blot)

GIT1-Y554 Antibody (C-term) western blot analysis in mouse NIH-3T3 cell line lysates (35ug/lane). This demonstrates the GIT1 antibody detected the GIT1 protein (arrow).

**WB (Western Blot)**

GIT1-Y554 Antibody (C-term) western blot analysis in Hela cell line lysates (35ug/lane). This demonstrates the GIT1 antibody detected the GIT1 protein (arrow).

**WB (Western Blot)**

All lanes : Anti-Phospho-GIT1-pY554. ctrl at 1:2000 dilution Lane 1: U-2OS whole cell lysate Lane 2: HUVEC whole cell lysate Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 84 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-GIT1 antibody	Description: 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 (from SwissProt). Background: 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).
Product Categories/Family for anti-GIT1 antibody	Primary Antibodies ; Signal Transduction
References	Hsu, R.M., et al. Mol. Biol. Cell 21 (2):287-301 (2010). Hajdo-Milasnovic, A., et al. J. Cell. Sci. 122 (PT 12), 2127-2136 (2009). Morimura, S., et al. Biochem. Biophys. Res. Commun. 382 (3):614-619 (2009). Wang, J., et al. Arterioscler. Thromb. Vasc. Biol. 29 (2):202-208 (2009). Zhan, L., et al. Cell 135 (5):865-878 (2008). Sugiyama, N., et al. Mol. Cell Proteomics 6 (6):1103-1109 (2007). Olsen, J.V., et al. Cell 127 (3):635-648 (2006). Webb, D.J., et al. J. Cell. Sci. 119 (PT 14), 2847-2850 (2006). Kim, J.E., et al. J. Proteome Res. 4 (4):1339-1346 (2005). Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101 (33):12130-12135 (2004). Manabe, R., et al. J. Cell. Sci. 115 (PT 7), 1497-1510 (2002). Kawachi, H., et al. Proc. Natl. Acad. Sci. U.S.A. 98 (12):6593-6598 (2001). Zhao, Z.S., et al. Mol. Cell. Biol. 20 (17):6354-6363 (2000). Premont, R.T., et al. J. Biol. Chem. 275 (29):22373-22380 (2000). Premont, R.T., et al. Proc. Natl. Acad. Sci. U.S.A. 95 (24):14082-14087 (1998).

NCBI AND UNIPROT INFORMATION

NCBI GI #	41393573
NCBI GeneID	28964
NCBI Accession #	NP_054749.2 ; NP_054749
NCBI GenBank Nucleotide #	NM_014030.3
UniProt Accession #	Q9Y2X7 ; Q86SS0 ; Q9BRJ4 ; B4DGU9 ; B4DSV3
Molecular Weight	84341 Da
NCBI Official Full Name	ARF GTPase-activating protein GIT1 isoform 2
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-flow-cytometry-western-blot-elisa/290702>