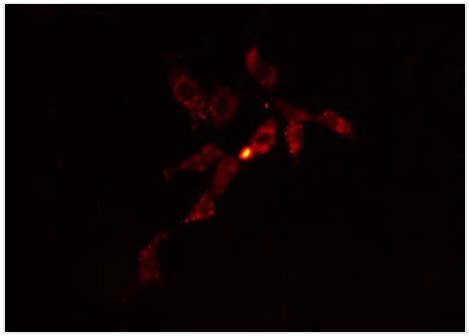
GIT1 Antibody – Rabbit Polyclonal

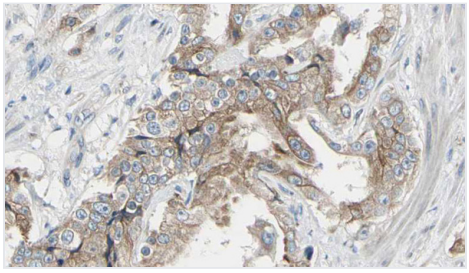
PRODUCT OVERVIEW

Product Name	GIT1, Polyclonal Antibody
Full Product Name	GIT1 Antibody
Product Gene Name	anti-GIT1 antibody
Product Synonym Names	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; GIT1_HUMAN; GRK interacting protein 1; GRK-interacting protein 1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Concentration	1mg/ml (lot specific)
Specificity	GIT1 antibody detects endogenous levels of total GIT1
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.
Antibody/Peptide Pairs	GIT1 peptide (MBS9627689) is used for blocking the activity of GIT1 antibody (MBS9608977)
Molecular Weight	Observed: 84 kDa Predicted: 85 kDa
3D Structure	ModBase 3D Structure for Q9Y2X7
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
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
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-GIT1 antibody	Western Blot (WB), Immunohistochemisty (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), ELISA (EIA)
Application Notes for anti-GIT1 antibody	WB: 1:1000-3000 IHC: 1:200 IF/ICC: 1:100-1:500

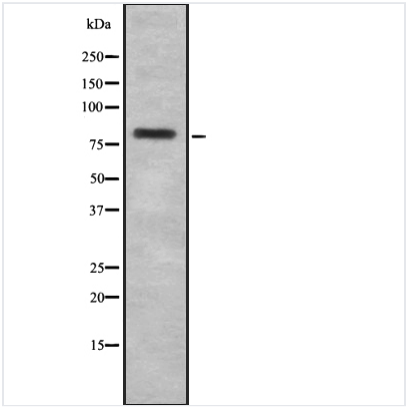
Related Product Information for anti-GIT1 antibody	Function: GTPase-activating protein for the ADP ribosylation factor family. May serve as a scaffold to bring together molecules to form signaling modules controlling vesicle trafficking, adhesion and cytoskeletal organization. Increases the speed of 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.
Other Notes	Small volumes of anti-GIT1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for GIT1 purchase	MBS9608977 is an antibody targeting GIT1. Also known as GIT1 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Immunofluorescence (IF) of anti-GIT1 antibody
MBS9608977 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.



Immunohistochemistry (IHC) of anti-GIT1 antibody
MBS9608977 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.



Western Blot (WB) of anti-GIT1 antibody
Western blot analysis GIT1 using HuvEc whole cell lysates

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GIT1. It may not necessarily be applicable to this product.

NCBI GI #	146231998
NCBI GeneID	28964

NCBI Accession #	NP_001078923.1
UniProt Primary Accession #	Q9Y2X7
UniProt Secondary Accession #	Q86SS0; Q9BRJ4; B4DGU9; B4DSV3
UniProt Related Accession #	Q9Y2X7
GenBank Nucleotide #	NM_001085454.1
NCBI Official Full Name	ARF GTPase-activating protein GIT1 isoform 1
NCBI Official Synonym Full Names	GIT ArfGAP 1
NCBI Official Symbol	GIT1
UniProt Protein Name	ARF GTPase-activating protein GIT1
UniProt Synonym Protein Names	Cool-associated and tyrosine-phosphorylated protein 1; CAT-1; CAT1; G protein-coupled receptor kinase-interactor 1; GRK-interacting protein 1
Protein Family	Adenylate cyclase activation protein
UniProt Gene Name	GIT1
UniProt Synonym Gene Names	ARF GAP GIT1; CAT-1; CAT1
NCBI Protein Information	ARF GTPase-activating protein GIT1
UniProt Comments for GIT1	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 ENTR1 and PTPN13 ().
Research Articles on GIT1	**1.** There is significant interaction effects of the GIT1 and DRD4 gene variants on impulsivity in Attention Deficit Hyperactivity Disorder.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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