GIT2 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	GIT2, Monoclonal Antibody
Full Product Name	GIT2 (ARF GTPase-activating Protein GIT2, ARF GAP GIT2, Cool-interacting Tyrosine-phosphorylated Protein 2, CAT-2, CAT2, G-Protein-coupled Re
Product Gene Name	anti-GIT2 antibody
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	3B5-B9
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human GIT2.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
Immunogen	Full length recombinant corresponding to aa1-471 from GIT2 (AAH01379) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MSKRLRSSEVCADCSGPDPSWASVNRGTFLCDECCSVHRSLGRHISQVRHLKHTPWPPTLLQMVETLYNNGANSIWEHSLLDPASIMSGRRKANPQDK
Conjugate	MaxLight490
Product Categories/Family for anti-GIT2 antibody	Antibodies; G Proteins
Applications Tested/Suitable for anti-GIT2 antibody	FLISA, Immunofluorescence (IF), Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-GIT2 antibody	IF: 20ug/ml Applications are based on unconjugated antibody.
Related Product Information for anti-GIT2 antibody	MBS6201006 is an antibody targeting GIT2. Also known as GIT2 (ARF GTPase-activating Protein GIT2, ARF GAP GIT2, Cool-interacting Tyrosine-pho
Other Notes	Small volumes of anti-GIT2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessa

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GIT2. It may not necessarily be applicable to this product.

NCBI GI #	33876121
NCBI GeneID	9815
NCBI Accession #	BC001379
UniProt Related Accession #	Q14161
NCBI Official Full Name	Homo sapiens G protein-coupled receptor kinase interacting ArfGAP 2, mRNA
NCBI Official Synonym Full Names	GIT ArfGAP 2
NCBI Official Symbol	GIT2
NCBI Official Synonym Symbols	PKL; CAT2; CAT-2
Protein Family	ARF GTPase-activating protein
NCBI Protein Information	ARF GTPase-activating protein GIT2
NCBI Summary for GIT2	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. [provided by RefSeq, Sep 2008]
Research Articles on GIT2	**1.** our work identifies DOCK5 as a key regulator of epithelial invasion and metastasis, and demonstrates that suppression of DOCK5 by GIT2 represents a previously unappreciated mechanism for coordination of Rho and Rac GTPases.
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