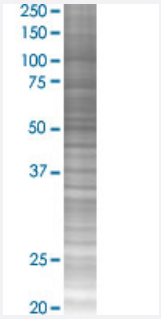
GIT2 293T Cell Transient Overexpression Lysate(Denatured)

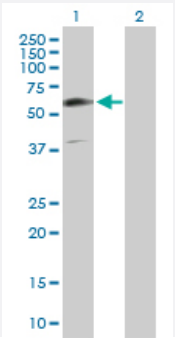
Catalog # H00009815-T02 Size 100 uL

Applications



SDS-PAGE Gel

GIT2 transfected lysate.



Western Blot

Lane 1: GIT2 transfected lysate (52.60 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-GIT2 full-length
Host	Human
Theoretical MW (kDa)	52.6
Interspecies Antigen Sequence	Mouse (93); Rat (95)

Quality Control Testing	Transient overexpression cell lysate was tested with Anti-GIT2 antibody (H00009815-D01P) by Western Blots. SDS-PAGE Gel GIT2 transfected lysate. Western Blot Lane 1: GIT2 transfected lysate (52.60 KDa) Lane 2: Non-transfected lysate.
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — GIT2

Entrez GeneID	9815
GeneBank Accession#	NM_139201
Protein Accession#	NP_631940.1
Gene Name	GIT2
Gene Alias	CAT-2, DKFZp686G01261, KIAA0148, MGC760
Gene Description	G protein-coupled receptor kinase interacting ArfGAP 2
Omim ID	608564
Gene Ontology	Hyperlink
Gene Summary	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

Other Designations	ARF GTPase-activating protein GIT2|G protein-coupled receptor kinase interactor 2|GRK-interacting protein 2|cool-associated, tyrosine phosphorylated protein 2

Pathway

- Endocytosis