GIPC1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GIPC1, Polyclonal Antibody
Full Product Name	GIPC1 Antibody, FITC conjugated
Product Gene Name	anti-GIPC1 antibody
Product Synonym Names	PDZ domain-containing protein GIPC1; GAIP C-terminus-interacting protein; RGS-GAIP-interacting protein; RGS19-interacting protein 1; Synectin; Tax interaction protein 2; TIP-2; GIPC1; C19orf3; GIPC; RGS19IP1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: GIPC1 (MBS7051981) FITC Conjugated Antibody: GIPC1 (MBS7051983)
Molecular Weight	26,072 Da
OMIM	AF089816 mRNA
3D Structure	ModBase 3D Structure for O14908
Immunogen	Recombinant Human PDZ domain-containing protein GIPC1 protein (7-74AA)
Conjugation	FITC
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, pH 7.4
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-GIPC1 antibody	ELISA (EIA)
Related Product Information for anti-GIPC1 antibody	MBS7051983 is an antibody targeting GIPC1. Also known as GIPC1 Antibody, FITC conjugated. Reactive in Human. Host: Rabbit. May be involved in G protein-linked signaling.
Other Notes	Small volumes of anti-GIPC1 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GIPC1. It may not necessarily be applicable to this product.

NCBI GI #	5031715
NCBI GeneID	10755

NCBI Accession #	NP_005707.1
UniProt Primary Accession #	O14908
UniProt Secondary Accession #	Q9BTC9; A8K4I3; A8MZG3
UniProt Related Accession #	O14908
GenBank Nucleotide #	NM_005716.3
NCBI Official Full Name	PDZ domain-containing protein GIPC1 isoform 1
NCBI Official Synonym Full Names	GIPC PDZ domain containing family member 1
NCBI Official Symbol	GIPC1
NCBI Official Synonym Symbols	NIP; GIPC; IIP-1; TIP-2; SEMCAP; C19orf3; Hs.6454; GLUT1CBP; RGS19IP1; SYNECTIN; SYNECTIIN
UniProt Protein Name	PDZ domain-containing protein GIPC1
UniProt Synonym Protein Names	GAIP C-terminus-interacting protein; RGS-GAIP-interacting protein; RGS19-interacting protein 1; Synectin; Tax interaction protein 2; TIP-2
Protein Family	PDZ domain-containing protein
UniProt Gene Name	GIPC1
UniProt Synonym Gene Names	C19orf3; GIPC; RGS19IP1; TIP-2
NCBI Protein Information	PDZ domain-containing protein GIPC1
NCBI Summary for GIPC1	GIPC1 is a scaffolding protein that regulates cell surface receptor expression and trafficking (Lee et al., 2008 [PubMed 18775991]).[supplied by OMIM, Apr 2009]
UniProt Comments for GIPC1	GIPC1: May be involved in G protein-linked signaling. Belongs to the GIPC family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: GAPs; GAPs, misc.; Motility/polarity/chemotaxis; Vesicle Chromosomal Location of Human Ortholog: 19p13.12 Cellular Component: cell cortex; cell-cell adherens junction; cytoplasm; cytoplasmic vesicle; cytosol; dendritic shaft; dendritic spine; membrane; synaptic vesicle; vesicle membrane Molecular Function: actin binding; myosin binding; protein binding; protein homodimerization activity; receptor binding Biological Process: endothelial cell migration; glutamate secretion; negative regulation of proteasomal ubiquitin-dependent protein catabolic process; positive regulation of cytokinesis; positive regulation of transforming growth factor beta receptor signaling pathway; protein targeting; regulation of protein stability; regulation of synaptic plasticity; synaptic transmission
Research Articles on GIPC1	**1.** Drd3 palmitoylation acts as a molecular switch for Drd3-biased signaling via a GIPC1-dependent route, which is likely to affect the mode of action of antipsychotic drugs.
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