

Immunotag™ Rho GDIα (phospho Ser174) Polyclonal Antibody

Antibody Specification	
Catalog No.	ITP0762
Product Description	Immunotag™ Rho GDIα (phospho Ser174) Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	RHO GDIα (Ser174)
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized phospho-peptide around the phosphorylation site of human Rho GDIα (phospho Ser174)
Specificity	Phospho-Rho GDIα (S174) Polyclonal Antibody detects endogenous levels of Rho GDIα protein only when phosphorylated at S174.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	ARHGDIA
Accession No.	P52565 Q99PT1 Q5XI73
Alternate Names	ARHGDIA; GDIA1; Rho GDP-dissociation inhibitor 1; Rho GDI 1; Rho-GDI alpha

Antibody Specification

Description	Rho GDP dissociation inhibitor alpha (ARHGDI1) Homo sapiens This gene encodes a protein that plays a key role in the regulation of signaling through Rho GTPases. The encoded protein inhibits the disassociation of Rho family members from GDP (guanine diphosphate), thereby maintaining these factors in an inactive state. Activity of this protein is important in a variety of cellular processes, and expression of this gene may be altered in tumors. Mutations in this gene have been found in individuals with nephrotic syndrome, type 8. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014],
Cell Pathway/ Category	Neurotrophin,
Protein Expression	Brain,Cajal-Retzius cell,Colon,Epithelium,Fetal brain cortex,Lung,M
Subcellular Localization	immunological synapse,extracellular space,nucleus,cytoplasm,cytosol,cytoskeleton,extracellular exosome,
Protein Function	function:Regulates the GDP/GTP exchange reaction of the Rho proteins by inhibiting the dissociation of GDP from them, and the subsequent binding of GTP to them.,similarity:Belongs to the Rho GDI family.,subunit:Monomer.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.