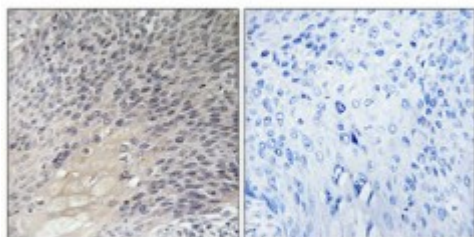


Anti-Rho GD alpha antibody



Description	Rabbit polyclonal to Rho GDlalpha.
Model	STJ95446
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IHC
Immunogen	Synthesized peptide derived from human Rho GDlalpha around the non-phosphorylation site of S174.
Immunogen Region	110-190 aa
Gene ID	396
Gene Symbol	ARHGDIA
Dilution range	IHC 1:100-1:300ELISA 1:10000
Specificity	Rho GDlalpha Polyclonal Antibody detects endogenous levels of Rho GDlalpha protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Rho GDP-dissociation inhibitor 1 Rho GDI 1 Rho-GDI alpha
Molecular Weight	23 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:678OMIM:601925
Alternative Names	Rho GDP-dissociation inhibitor 1 Rho GDI 1 Rho-GDI alpha
Function	Controls Rho proteins homeostasis. 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. Retains Rho proteins such as CDC42, RAC1 and RHOA in an inactive cytosolic pool, regulating their stability and protecting them from degradation. Actively involved in the recycling and distribution of activated Rho GTPases in the cell, mediates extraction from membranes of both inactive and activated molecules due its exceptionally high affinity for prenylated forms. Through the modulation of Rho proteins, may play a role in cell motility regulation. In glioma cells, inhibits cell migration and invasion by mediating the signals of SEMA5A and PLXNB3 that lead to inactivation of RAC1.
Cellular Localization	Cytoplasm