



Rho GDI α (phospho Ser174) Polyclonal Antibody

Catalog No	YP-Ab-16114
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	ARHGDI A
Immunogen	The antiserum was produced against synthesized peptide derived from human ARHGDI A around the phosphorylation site of Ser174. AA range:140-189
Specificity	Phospho-Rho GDI α (S174) Polyclonal Antibody detects endogenous levels of Rho GDI α protein only when phosphorylated at S174.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/20000.. IF 1:50-200
Concentration	1 mg/ml
Purity	$\geq 90\%$
Storage Stability	-20°C/1 year
Synonyms	ARHGDI A;fa96g11;GDI A 1;GDI A1;GDIR1_HUMAN;MGC117248;NPHS8;Rho GDI 1;Rho GDI alpha;Rho GDI;Rho GDP dissociation inhibitor (GDI) alpha;Rho GDP dissociation inhibitor 1;Rho GDP dissociation inhibitor alpha;Rho GDP-dissociation inhibitor 1;Rho-GDI alpha;RhoGDI 1;RhoGDI alpha;RHOGDI;RhoGDI1;wu:fa96g11;zgc:55554;zgc:77681;Rho GDI α
Observed Band	23kD
Calculated Molecular Weight	23kD
Cell Pathway	Cytoplasm .
Tissue Specificity	Brain,Cajal-Retzius cell,Colon,Epithelium,Fetal brain cortex,Lung,M
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.,
Background	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],

matters needing attention

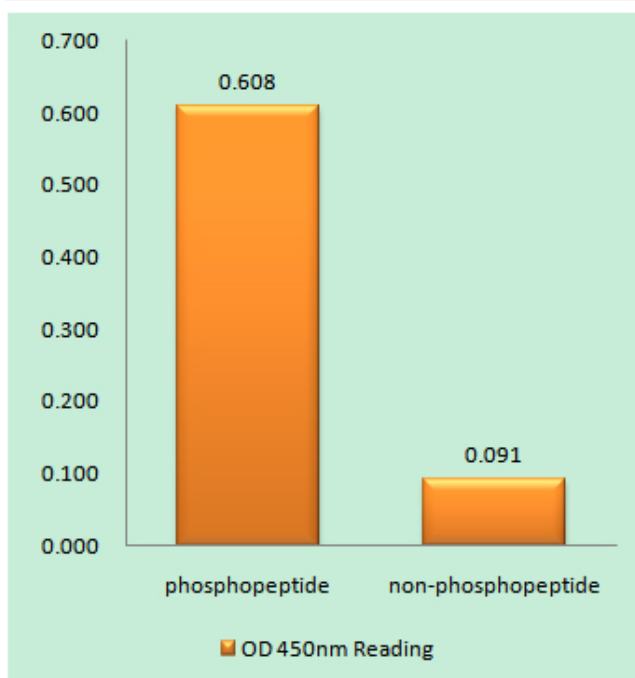
Avoid repeated freezing and thawing!

Usage suggestions

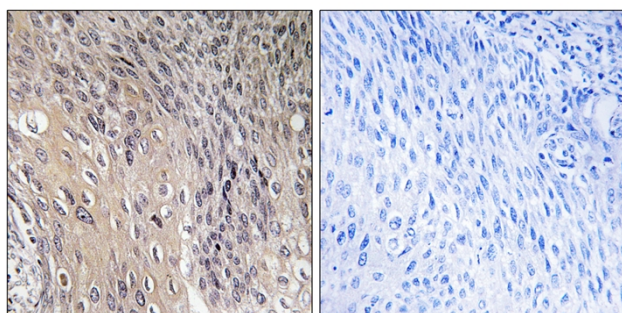
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



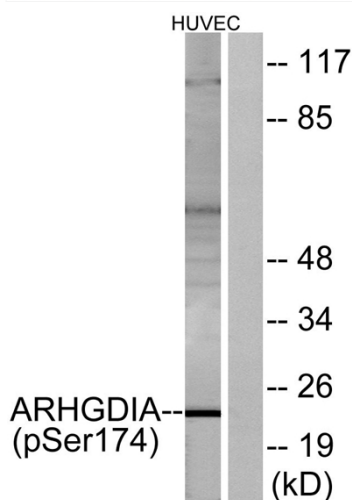
Products Images



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using ARHGDIA (Phospho-Ser174) Antibody



Immunohistochemistry analysis of paraffin-embedded human cervix carcinoma, using ARHGDIA (Phospho-Ser174) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HUVEC cells treated with EGF 200ng/ml 30', using ARHGDIA (Phospho-Ser174) Antibody. The lane on the right is blocked with the phospho peptide.