



RGS16 (phospho Tyr168) Polyclonal Antibody

Catalog No	YP-Ab-03535
Isotype	IgG
Reactivity	Human;Mouse;Rat;Monkey
Applications	WB;ELISA;IHC
Gene Name	RGS16
Immunogen	The antiserum was produced against synthesized peptide derived from human RGS16 around the phosphorylation site of Tyr168. AA range:141-190
Specificity	Phospho-RGS16 (Y168) Polyclonal Antibody detects endogenous levels of RGS16 protein only when phosphorylated at Y168.
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 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	A28 RGS14;A28 RGS14P;A28-RGS14P;HGNC:9997;hRGS-r;OTTHUMP33147; Regulator of G protein signaling 16;Regulator of G protein signalling 16; Regulator of G-protein signaling 16;Retinal-specific RGS;Retinally abundant regulator of G protein signaling;Retinally abundant regulator of G-protein signaling;RGS 16;RGS R;RGS-R;Rgs14;RGS16;RGS16_HUMAN;RGSR
Observed Band	30kD
Calculated Molecular Weight	30kD
Cell Pathway	Membrane ; Lipid-anchor .
Tissue Specificity	Abundantly expressed in retina with lower levels of expression in most other tissues.
Function	function:Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form. Binds to G(i)-alpha and G(o)-alpha, but not to G(s)-alpha. May play a role in regulating the kinetics of signaling in the phototransduction cascade., PTM:Palmitoylated on Cys-2 and/or Cys-12.,PTM:Phosphorylation on Tyr-168 upon EGFR stimulation. Enhanced GTPase accelerating (GAP) activity on G(i)-alpha.,similarity:Contains 1 RGS domain.,tissue specificity:Abundantly



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Background

The protein encoded by this gene belongs to the 'regulator of G protein signaling' family. It inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits. It also may play a role in regulating the kinetics of signaling in the phototransduction cascade. [provided by RefSeq, Jul 2008],

matters needing attention

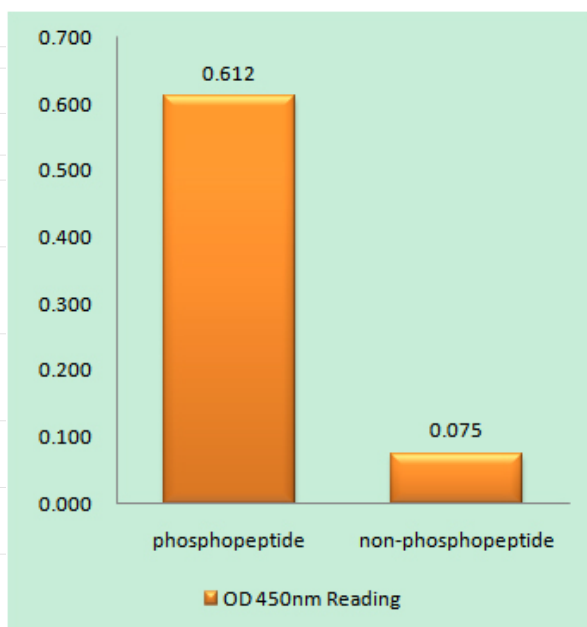
Avoid repeated freezing and thawing!

Usage suggestions

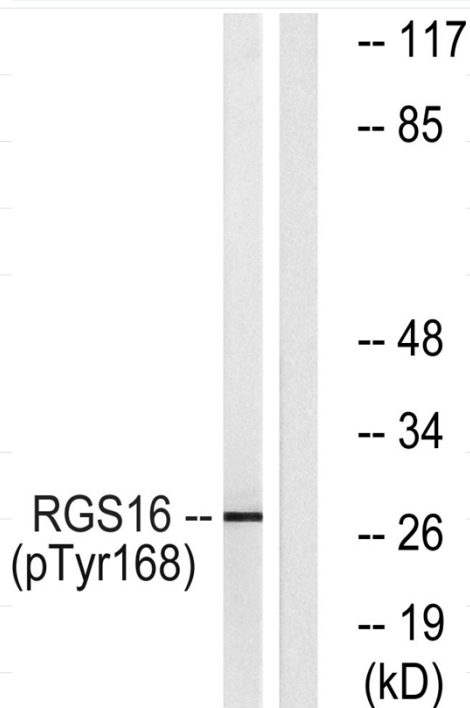
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



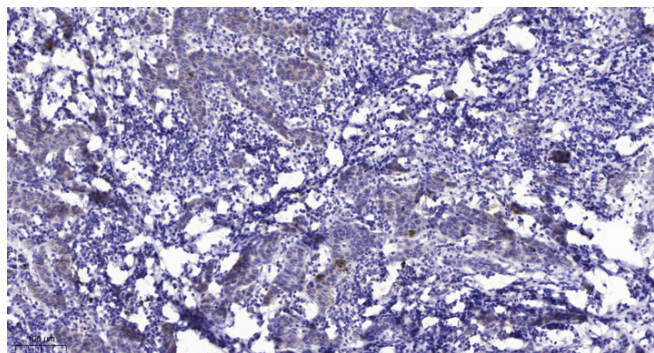
Products Images



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using RGS16 (Phospho-Tyr168) Antibody



Western blot analysis of lysates from COS7 cells treated with heat shock, using RGS16 (Phospho-Tyr168) Antibody. The lane on the right is blocked with the phospho peptide.



Immunohistochemical analysis of paraffin-embedded human Breast cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).