



RGS16 (phospho Tyr168) Monoclonal Antibody

Catalog No	BYmab-03535
Isotype	IgG
Reactivity	Human;Mouse;Rat;Monkey
Applications	WB
Gene Name	RGS16
Protein Name	Regulator of G-protein signaling 16
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) Monoclonal 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	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	RGS16; RGSR; Regulator of G-protein signaling 16; RGS16; A28-RGS14P; Retinal-specific RGS; RGS-r; hRGS-r; Retinally abundant regulator of G-protein signaling
Observed Band	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 expressed in retina with lower levels of expression in most other tissues.,

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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.

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