

Product datasheet

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ARG41289 anti-RGS16 antibody

Package: 100 μl Store at: -20°C

Summary

Target Name

Product Description Rabbit Polyclonal antibody recognizes RGS16

RGS16

Tested Reactivity Hu, Ms, Rat
Tested Application IHC-P, WB
Host Rabbit

Clonality Polyclonal

Isotype IgG

Species Human

Immunogen Recombinant fusion protein corresponding to aa. 1-202 of Human RGS16 (NP_002919.3).

Conjugation Un-conjugated

Alternate Names RGS16; RGS-r; Retinally abundant regulator of G-protein signaling; Retinal-specific RGS; A28-RGS14P;

RGS-R; A28-RGS14; Regulator of G-protein signaling 16; hRGS-r

Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:200
	WB	1:200 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse lung	
Observed Size	28 kDa	

Properties

Form Liquid

Purification Affinity purified.

Buffer PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol RGS16

Gene Full Name regulator of G-protein signaling 16

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]

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. [UniProt]

Calculated Mw 23 kDa

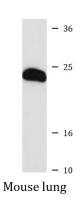
PTM Palmitoylated on Cys-2 and/or Cys-12.

Phosphorylated. Phosphorylation at Tyr-168 by EGFR enhances GTPase accelerating (GAP) activity

toward GNAI1. [UniProt]

Cellular Localization Membrane; Lipid-anchor. [UniProt]

Images



ARG41289 anti-RGS16 antibody WB image

Western blot: 25 ug of Mouse lung lysate stained with ARG41289 anti-RGS16 antibody at 1:1000 dilution.