

Datasheet for ABIN1698255

anti-RGS14 antibody (AA 151-250) (AbBy Fluor® 647)



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Overview

Quantity:	100 µL
Target:	RGS14
Binding Specificity:	AA 151-250
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RGS14 antibody is conjugated to AbBy Fluor® 647
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human RGS14
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human, Cow
Purification:	Purified by Protein A.

Target Details

Target:	RGS14
Alternative Name:	Rgs14 (RGS14 Products)

Target Details

Background: Synonyms: Highly similar to rap1/rap2 interacting protein, OTTHUMP00000223586, OTTHUMP00000223587, Regulation of G protein signaling 14, Regulator of G protein signaling 14, Regulator of G protein signalling 14, Regulator of G-protein signaling 14, RGS 14, RGS14, RGS14_HUMAN.

Background: RGS14 is a member of the regulator of G-protein signaling family. This protein contains one RGS domain, two Raf-like Ras-binding domains (RBDs), and one GoLoco domain. The protein attenuates the signaling activity of G-proteins by binding, through its GoLoco domain, to specific types of activated, GTP-bound G alpha subunits. Acting as a GTPase activating protein (GAP), the protein increases the rate of conversion of the GTP to GDP. This hydrolysis allows the G alpha subunits to bind G beta/gamma subunit heterodimers, forming inactive G-protein heterotrimers, thereby terminating the signal. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized.

Gene ID: 10636

Pathways: [Myometrial Relaxation and Contraction](#), [Regulation of G-Protein Coupled Receptor Protein Signaling](#), [Platelet-derived growth Factor Receptor Signaling](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Handling

Expiry Date: 12 months