

## ARG45302 anti-RGS9 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Polyclonal antibody recognizes RGS9
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Target Name	RGS9
Species	Human
Immunogen	Recombinant protein containing to human RGS9.
Conjugation	Un-conjugated
Alternate Names	RGS9; Regulator Of G Protein Signaling 9; Regulator Of G-Protein Signaling 9; PERRS; RGS9L; Regulator Of G-Protein Signalling 9; MGC111763; MGC26458; Regulator Of G Protein Signalling 9L; Regulator Of G Protein Signalling 9; Regulator Of G-Protein Signaling 9L; PERRS1

### Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 <sup>6</sup> cells
	ICC/IF	5 µg/ml
	WB	0.25-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	77 kDa	

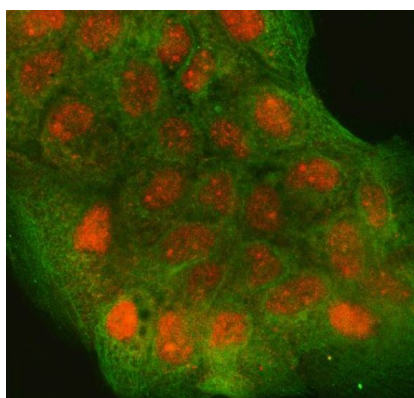
### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
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 or below. 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.

## Bioinformation

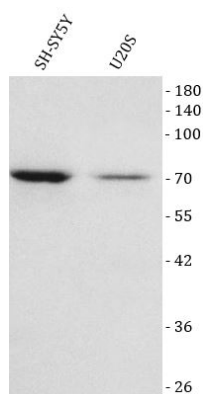
Gene Symbol	RGS9
Gene Full Name	Regulator Of G Protein Signaling 9
Background	This gene encodes a member of the RGS family of GTPase activating proteins that function in various signaling pathways by accelerating the deactivation of G proteins. This protein is anchored to photoreceptor membranes in retinal cells and deactivates G proteins in the rod and cone phototransduction cascades. Mutations in this gene result in bradyopsia. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Sep 2009]
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 GNAT1. Involved in phototransduction; key element in the recovery phase of visual transduction. [UniProt]
Calculated Mw	kDa
PTM	Phosphoprotein. [UniProt]
Cellular Localization	Membrane. [UniProt]

## Images



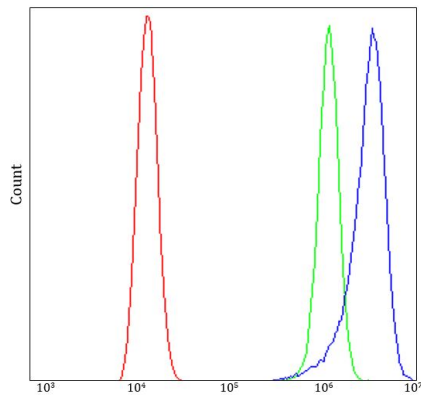
ARG45302 anti-RGS9 antibody ICC/IF image

Immunofluorescence: RGS9 stained with ARG45302 anti-RGS9 antibody at 5 ug/ml dilution.



ARG45302 anti-RGS9 antibody WB image

Western blot: SH-SY5Y and U2OS stained with ARG45302 anti-RGS9 antibody at 0.5 µg/ml dilution.



#### ARG45302 anti-RGS9 antibody FACS image

Flow Cytometry: Hela and U2OS stained with ARG45302 anti-RGS9 antibody at  $1\text{ }\mu\text{g}/10^6$  cells dilution.