ARG45191
anti-RGS6 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes RGS6
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Target Name	RGS6
Species	Human
Immunogen	Recombinant protein containing to human RGS6.
Conjugation	Un-conjugated
Alternate Names	Protein phosphatase 1 regulatory subunit 14A; 17 kDa PKC-potentiated inhibitory protein of PP1; Protein kinase C-potentiated inhibitor protein of 17 kDa; CPI-17; PPP1R14A; CPI17, PPP1INL;

Application Instructions

Application table

Application	Dilution
FACS	1 - 3 µg/10^6 cells
IHC-P	2-5 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: 54 kDa

Properties

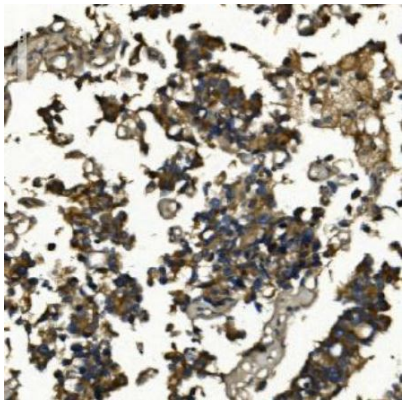
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.01% Sodium azide and 4% Trehalose.
Preservative	0.01% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. 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.

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

Bioinformation

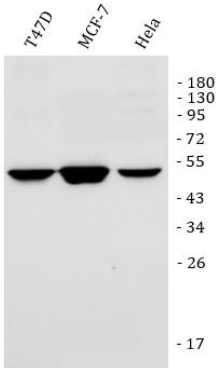
Gene Symbol	RGS6
Gene Full Name	Regulator Of G Protein Signaling 6
Background	This gene encodes a member of the RGS (regulator of G protein signaling) family of proteins, which are defined by the presence of a RGS domain that confers the GTPase-activating activity of these proteins toward certain G alpha subunits. This protein also belongs to a subfamily of RGS proteins characterized by the presence of DEP and GGL domains, the latter a G beta 5-interacting domain. The RGS proteins negatively regulate G protein signaling, and may modulate neuronal, cardiovascular, lymphocytic activities, and cancer risk. Many alternatively spliced transcript variants encoding different isoforms with long or short N-terminal domains, complete or incomplete GGL domains, and distinct C-terminal domains, have been described for this gene, however, the full-length nature of some of these variants is not known.[provided by RefSeq, Mar 2011]
Function	Regulates G protein-coupled receptor signaling cascades. Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits, thereby driving them into their inactive GDP-bound form. The RGS6/GNB5 dimer enhances GNAO1 GTPase activity. [UniProt]
Calculated Mw	54 kDa
Cellular Localization	Cell membrane; Cytoplasm; Membrane; Nucleus [UniProt]

Images



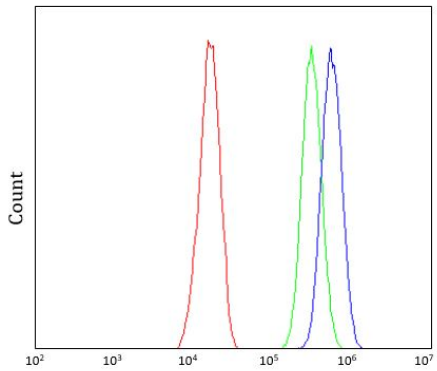
ARG45191 anti-RGS6 antibody IHC-P image

Immunohistochemistry: Human bladder cancer stained with ARG45191 anti-RGS6 antibody at 2 µg/ml dilution.



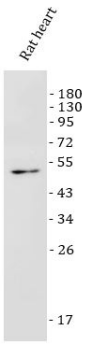
ARG45191 anti-RGS6 antibody WB image

Western blot: T47D, MCF-7, and Hela stained with ARG45191 anti-RGS6 antibody at 0.5 µg/ml dilution.



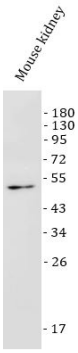
ARG45191 anti-RGS6 antibody FACS image

Flow Cytometry: MCF-7 stained with ARG45191 anti-RGS6 antibody at 1 µg/10^6 cells dilution.



ARG45191 anti-RGS6 antibody WB image

Western blot: Rat heart stained with ARG45191 anti-RGS6 antibody at 0.5 µg/ml dilution.



ARG45191 anti-RGS6 antibody WB image

Western blot: Mouse kidney stained with ARG45191 anti-RGS6 antibody at 0.5 µg/ml dilution.