

KB539

For research use only

Anti Human RGS6 Polyclonal Antibody

Code No. KB539
Target RGS6
Category Signal transduction
Gene ID 9628
Primary Source HGNC:10002
Synonyms GAP; FLJ43552; MGC142132; DKFZp313G1241; RGS6

Type Polyclonal Antibody
Immunogen Recombinant protein of full length Human RGS6

Raised in Mouse
Myeloma -
Clone number -
Purification Protein A purified
Source Mouse Serum
Isotype -

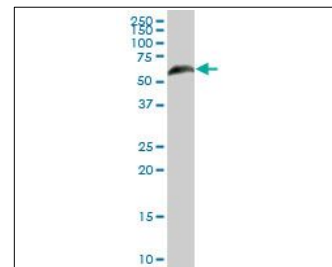
Cross Reactivity Rat
Label Unlabeled
Concentration 0.5 mg/mL
Contents (Volume) 50 µg
Buffer PBS, pH 7.2

Storage Store at - 20 °C long term, store at 4 °C short term. Avoid repeated freeze-thaw cycles.

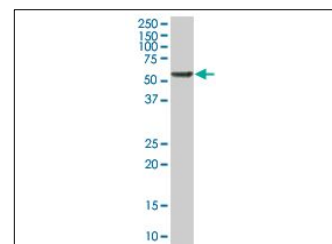
Application WB,FCM

ELISA	WB	IHC	ICC
-	1.0	-	-
IP	FCM	IF	Neutralization
-	1.0	-	-

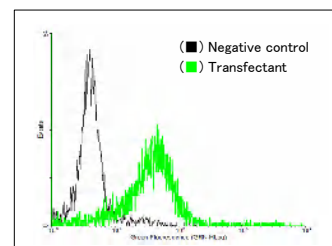
(µg/mL)



[WB] rat brain tissue lysate



[WB] RGS6 transfected 293T cell lysate



[FCM] RGS6 expressing 293 cells

Reference

1. Chatterjee T.K., et al. "Human RGS6 gene structure, complex alternative splicing, and role of N terminus and G protein gamma-subunit-like (GGL) domain in subcellular localization of RGS6 splice variants." J. Biol. Chem. 278:30261-30271(2003)
2. Snow B.E., et al. "Fidelity of G protein beta-subunit association by the G protein gamma-subunit-like domains of RGS6, RGS7, and RGS11." Proc. Natl. Acad. Sci. U.S.A. 96:6489-6494(1999)
3. Posner B.A., et al. "Regulators of G protein signaling 6 and 7. Purification of complexes with gbeta5 and assessment of their effects on g protein-mediated signaling pathways." J. Biol. Chem. 274:31087-31093(1999)

UniPlot Summary

//Function: Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form. Activity on G(o)-alpha is specifically enhanced by the RGS6/Gbeta5 dimer.
//Subcellular location: Cytoplasm. Membrane; Peripheral membrane protein.
//Sequence similarities: Contains 1 DEP domain. Contains 1 G protein gamma domain. Contains 1 RGS domain.