250 -75 -50 -37 -25 -20 -15 -10 -[WB] RGS7 transfected 293T cell lysate

> (■) Negative control (■) Transfectant

[FCM] RGS7 expressing 293 cells



KB531

For research use only

Anti Human RGS7 Polyclonal Antibody

Code No.	KB531		
Terget	RGS7		
Category	Signal transduction		
Gene ID	6000		
Primary Source	HGNC:10003		
Synonyms	RGS7		
Туре	Polyclonal Antibody		
Immunogen	Recombinant protein of full length Human RGS7		
D · · · ·	Maria		
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)				

Reference

1. Kim E., et al. "Interaction between RGS7 and polycystin." Proc. Natl. Acad. Sci. U.S.A. 96:6371-6376(1999)

2. Koelle M.R., et al. "EGL-10 regulates G protein signaling in the C. elegans nervous system and shares a conserved domain with many mammalian proteins." Cell 84:115-125(1996)

3. 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)

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/GNG5 dimer. May play a role in synaptic vesicle exocytosis. May play important role in the rapid regulation of neuronal excitability and the cellular responses to short-lived stimulations. //Sequence similarities: Contains 1 DEP domain. Contains 1 G protein gamma domain. Contains 1 RGS domain.

