



RGS12 Monoclonal Antibody

Catalog No	YP-mAb-04121
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	RGS12
Immunogen	The antiserum was produced against synthesized peptide derived from human RGS12. AA range:141-190
Specificity	RGS12 Monoclonal Antibody detects endogenous levels of RGS12 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Regulator of G-protein signaling 12;RGS12
Observed Band	160kD
Calculated Molecular Weight	160kD
Cell Pathway	Nucleus . Cytoplasm . Cell projection, dendrite . Cell junction, synapse .; [Isoform 5]: Nucleus matrix . Also localized to discrete nuclear foci that are distinct from sites of RNA processing, PML nuclear bodies, and PcG domains. .
Tissue Specificity	Isoform 3 is brain specific.
Function	function:Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form., PTM:Phosphorylated upon DNA damage, probably by ATM or ATR., similarity:Contains 1 GoLoco domain.,similarity:Contains 1 PDZ (DHR) domain., similarity:Contains 1 PID domain.,similarity:Contains 1 RGS domain., similarity:Contains 2 RBD (Ras-binding) domains.,tissue specificity:Isoform 3 is brain specific.,



Background

This gene encodes a member of the 'regulator of G protein signaling' (RGS) gene family. The encoded protein may function as a guanosine triphosphatase (GTPase)-activating protein as well as a transcriptional repressor. This protein may play a role in tumorigenesis. Multiple transcript variants encoding distinct isoforms have been identified for this gene. Other alternative splice variants have been described but their biological nature has not been determined. [provided by RefSeq, Jul 2008],

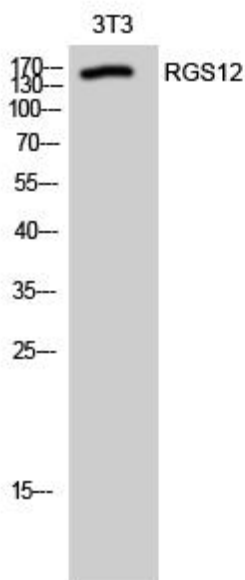
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using RGS12 Monoclonal Antibody