



# RGS12 rabbit pAb

Cat No.:ES7043

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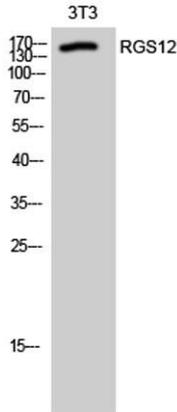
## Overview

<b>Product Name</b>	RGS12 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;ELISA;IHC
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human RGS12. AA range:141-190
<b>Specificity</b>	RGS12 Polyclonal Antibody detects endogenous levels of RGS12 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Regulator of G-protein signaling 12
<b>Gene Name</b>	RGS12
<b>Cellular localization</b>	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. .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	160kD
<b>Human Gene ID</b>	6002
<b>Human Swiss-Prot Number</b>	O14924
<b>Alternative Names</b>	RGS12; Regulator of G-protein signaling 12; RGS12
<b>Background</b>	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

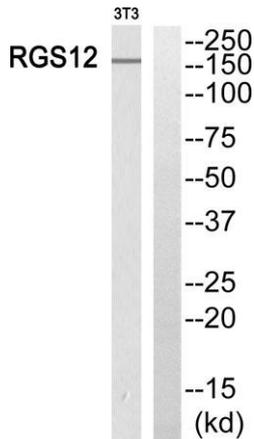




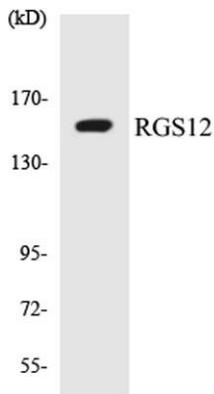
transcriptional repressor. This protein may play a role in tumorigenesis. Multiple transcript variants encoding distinct isoforms have been identified for this gene. Other alternative splice variants have been described but their biological nature has not been determined. [provided by RefSeq, Jul 2008],



Western Blot analysis of 3T3 cells using RGS12 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA).



Western blot analysis of RGS12 Antibody. The lane on the right is blocked with the RGS12 peptide.

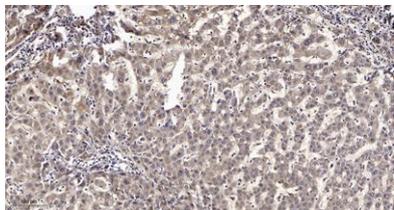


Western blot analysis of the lysates from HUVEC cells using RGS12 antibody.





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Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).



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