
Product Name: RGS5 Rabbit Polyclonal Antibody**Catalog #: APRab17099**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
Molecular Weight	20kDa

Antigen Information

Gene Name	RGS5
Alternative Names	RGS5; Regulator of G-protein signaling 5; RGS5
Gene ID	8490.0
SwissProt ID	O15539
Immunogen	The antiserum was produced against synthesized peptide derived from human RGS5. AA range:89-138

Background

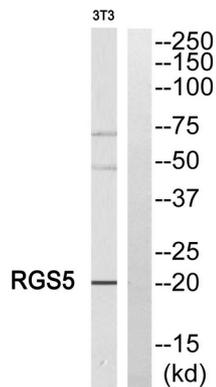
This gene encodes a member of the regulators of G protein signaling (RGS) family. The RGS proteins are signal transduction

molecules which are involved in the regulation of heterotrimeric G proteins by acting as GTPase activators. This gene is a hypoxia-inducible factor-1 dependent, hypoxia-induced gene which is involved in the induction of endothelial apoptosis. This gene is also one of three genes on chromosome 1q contributing to elevated blood pressure. Alternatively spliced transcript variants have been identified. [provided by RefSeq, Dec 2011],function:Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form. Binds to G(i)-alpha and G(o)-alpha, but not to G(s)-alpha.,similarity:Contains 1 RGS domain.,

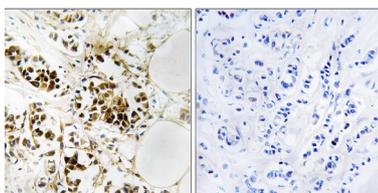
Research Area

Signal Transduction; Signaling Pathway; G Protein Signaling; Small G Proteins; Regulators; Cardiovascular; Angiogenesis; Angiogenic Factors; Blood; Blood Pressure regulation; Heart; Hypertrophy

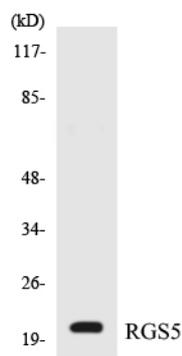
Image Data



Western blot analysis of RGS5 Antibody. The lane on the right is blocked with the RGS5 peptide.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using RGS5 Antibody. The lane on the right is blocked with the RGS5 peptide.



Western blot analysis of the lysates from HepG2 cells using RGS5 antibody.