

Product Name: RGS16 Rabbit Polyclonal Antibody
Catalog #: APRab17092



Summary

Production Name	RGS16 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IF,IHC,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	RGS16
Alternative Names	RGS16; RGSR; Regulator of G-protein signaling 16; RGS16; A28-RGS14P; Retinal-specific RGS; RGS-r; hRGS-r; Retinally abundant regulator of G-protein signaling
Gene ID	6004.0
SwissProt ID	O15492.The antiserum was produced against synthesized peptide derived from human RGS16. AA range:141-190

Application

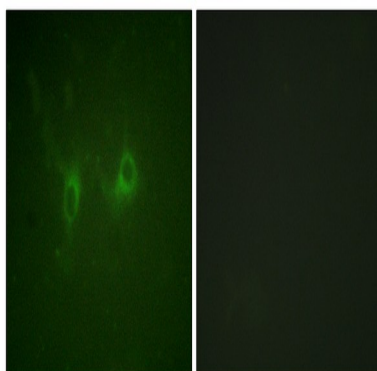
Dilution Ratio	IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.
Molecular Weight	

Background

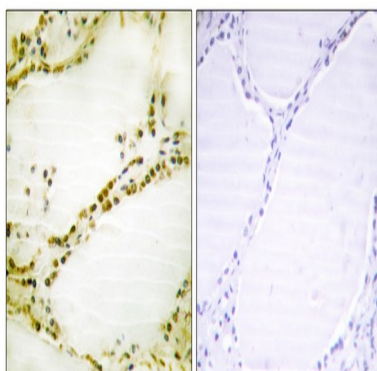
The protein encoded by this gene belongs to the 'regulator of G protein signaling' family. It inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits. It also may play a role in regulating the kinetics of signaling in the phototransduction cascade. [provided by RefSeq, Jul 2008],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. May play a role in regulating the kinetics of signaling in the phototransduction cascade.,PTM:Palmitoylated on Cys-2 and/or Cys-12.,PTM:Phosphorylation on Tyr-168 upon EGFR stimulation. Enhanced GTPase accelerating (GAP) activity on G(i)-alpha.,similarity:Contains 1 RGS domain.,tissue specificity:Abundantly expressed in retina with lower levels of expression in most other tissues.,

Research Area

Image Data

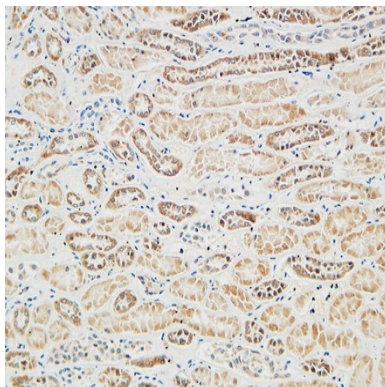


Immunofluorescence analysis of COS7 cells, using RGS16 Antibody. The picture on the right is blocked with the synthesized peptide.

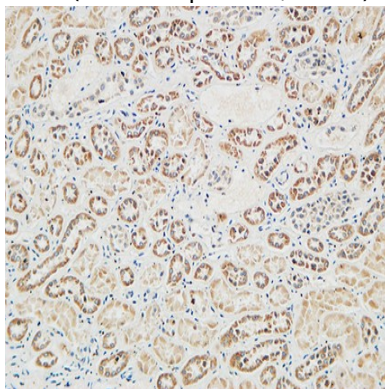


Immunohistochemistry analysis of paraffin-embedded human thyroid gland tissue, using RGS16 Antibody. The picture on the right is blocked with the synthesized peptide.

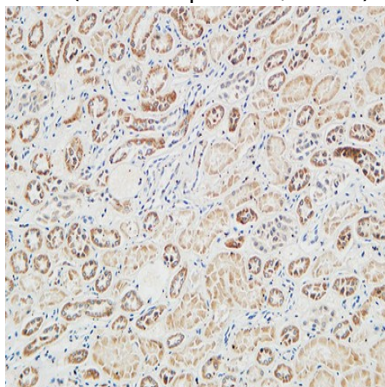
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Immunohistochemical analysis of paraffin-embedded Human Right kidney. 1, Antibody was diluted at 1:100 (4°,overnight) .
2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at
1:200 (room temperature, 30min) .



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Note

For research use only.