

RGS16 Polyclonal Antibody

Catalog No :	YT4074
Reactivity :	Human;Mouse;Rat
Applications :	IHC;IF;ELISA
Target :	RGS16
Gene Name :	RGS16
Protein Name :	Regulator of G-protein signaling 16
Human Gene Id :	6004
Human Swiss Prot No :	O15492
Mouse Gene Id :	19734
Mouse Swiss Prot No :	P97428
Rat Swiss Prot No :	P56700
Immunogen :	The antiserum was produced against synthesized peptide derived from human RGS16. AA range:141-190
Specificity :	RGS16 Polyclonal Antibody detects endogenous levels of RGS16 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year (Do not lower than -25°C)

Molecularweight : 23kD

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 : 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.,

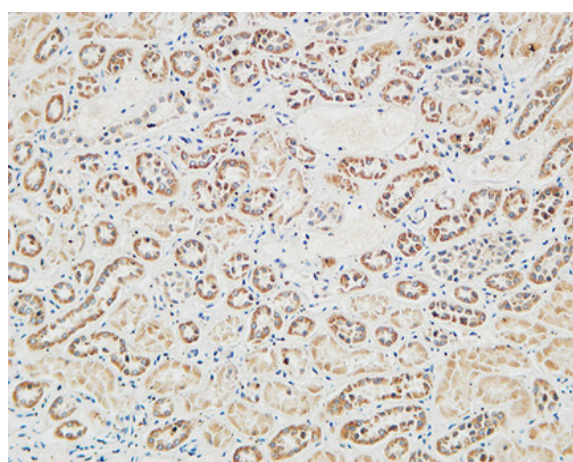
Subcellular Location : Membrane ; Lipid-anchor .

Expression : Abundantly expressed in retina with lower levels of expression in most other tissues.

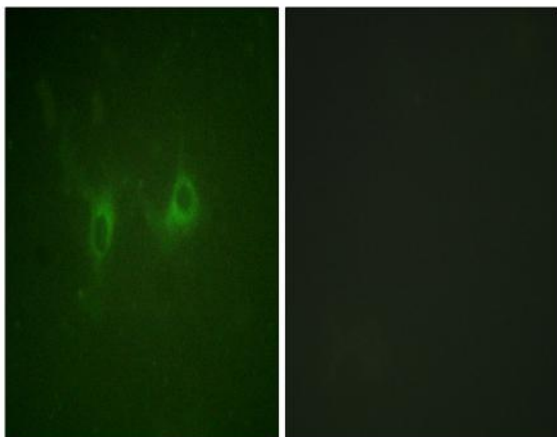
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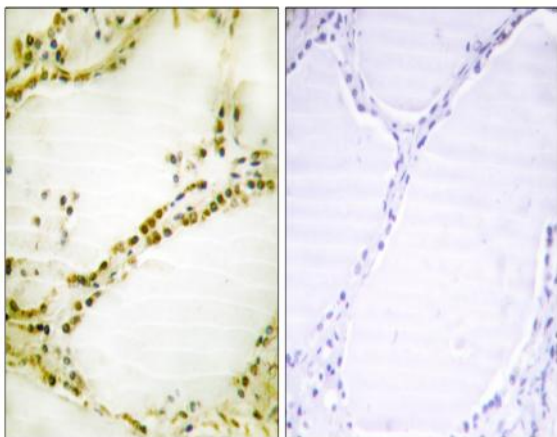
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Immunohistochemical analysis of paraffin-embedded Human Right kidney. 1, Antibody was diluted at 1:100 (4° overnight). 2, High-pressure and temperature EDTA, pH 8.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200 (room temperature, 30min).



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.