

**RGS16 Polyclonal Antibody**  
**Catalog # AP72257****Specification**

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**RGS16 Polyclonal Antibody - Product Information**

Application	IHC
Primary Accession	<a href="#">O15492</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

**RGS16 Polyclonal Antibody - Additional Information****Gene ID** 6004**Other 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

**Dilution**

IHC~~Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**RGS16 Polyclonal Antibody - Protein Information****Name** RGS16**Synonyms** RGSR**Function**

Regulates G protein-coupled receptor signaling cascades. Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits, thereby driving them into their inactive GDP-bound form (PubMed:<a href="http://www.uniprot.org/citations/11602604" target="\_blank">11602604</a>, PubMed:<a href="http://www.uniprot.org/citations/18434541" target="\_blank">18434541</a>). Plays an important role in the phototransduction cascade by regulating the lifetime and effective concentration of activated transducin alpha. May regulate extra and intracellular mitogenic signals (By similarity).

**Cellular Location**

Membrane {ECO:0000250|UniProtKB:P97428}; Lipid- anchor {ECO:0000250|UniProtKB:P97428}

**Tissue Location**

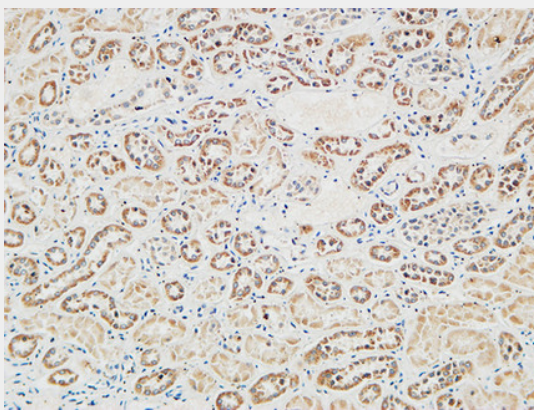
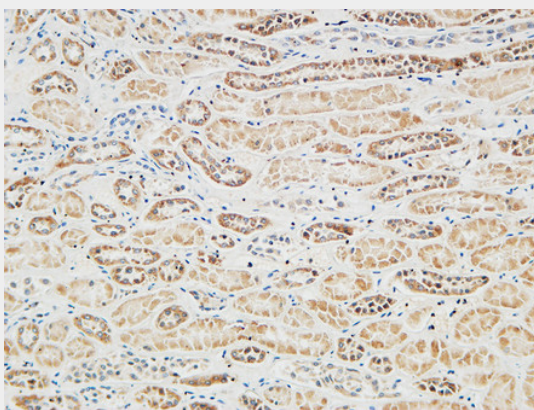
Abundantly expressed in retina with lower levels of expression in most other tissues

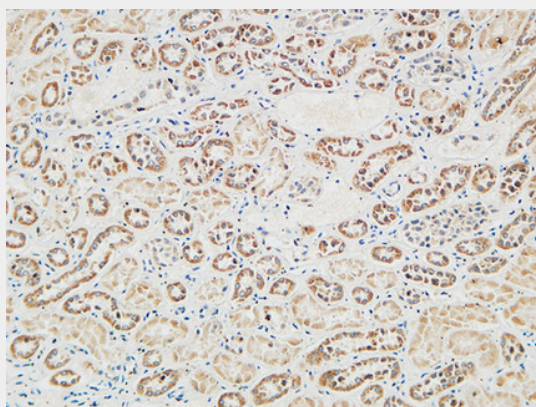
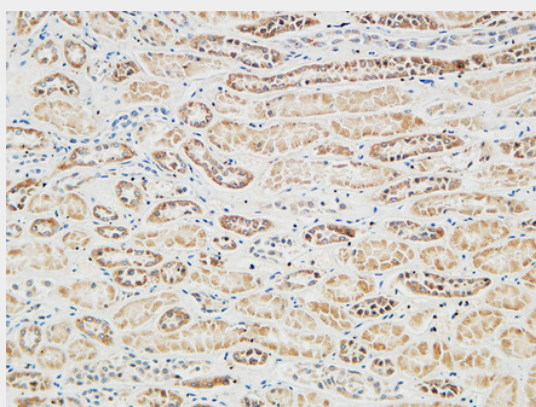
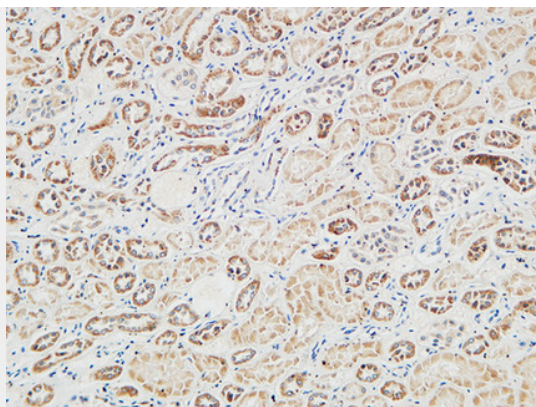
### **RGS16 Polyclonal Antibody - Protocols**

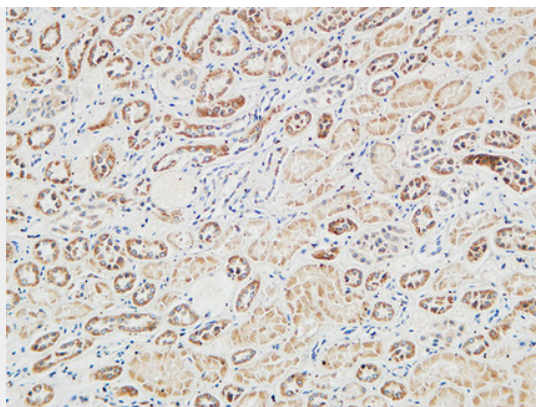
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **RGS16 Polyclonal Antibody - Images**







### **RGS16 Polyclonal Antibody - Background**

Regulates G protein-coupled receptor signaling cascades. Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits, thereby driving them into their inactive GDP-bound form (PubMed:11602604, PubMed:18434541). Plays an important role in the phototransduction cascade by regulating the lifetime and effective concentration of activated transducin alpha. May regulate extra and intracellular mitogenic signals (By similarity).