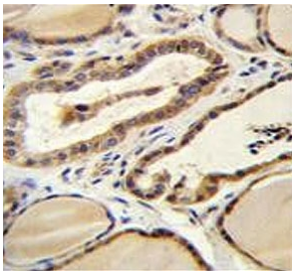
Retinal guanylyl cyclase 1 Antibody / GUCY2D (F54602)

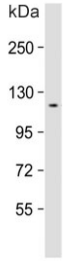
Catalog No.	Formulation	Size
F54602-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54602-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

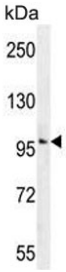
Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	Q02846
Localization	Cytoplasmic
Applications	Western Blot : 1:500-1:2000 Immunohistochemistry (FFPE) : 1:25 Flow Cytometry : 1:25 (1x10e6 cells)
Limitations	This Retinal guanylyl cyclase 1 antibody is available for research use only.



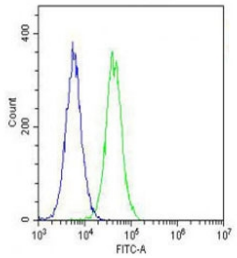
IHC testing of FFPE human thyroid tissue with Retinal guanylyl cyclase 1 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Western blot testing of rat eyeball tissue lysate with Retinal guanylyl cyclase 1 antibody. Predicted molecular weight ~120 kDa.



Western blot testing of human Ramos cell lysate with Retinal guanylyl cyclase 1 antibody. Predicted molecular weight ~120 kDa.



Flow cytometry testing of fixed and permeabilized human HeLa cells with Retinal guanylyl cyclase 1 antibody; Blue=isotype control, Green= Retinal guanylyl cyclase 1 antibody.

Description

This gene encodes a retina-specific guanylate cyclase, which is a member of the membrane guanylyl cyclase family. Like other membrane guanylyl cyclases, this enzyme has a hydrophobic amino-terminal signal sequence followed by a large extracellular domain, a single membrane spanning domain, a kinase homology domain, and a guanylyl cyclase catalytic domain. In contrast to other membrane guanylyl cyclases, this enzyme is not activated by natriuretic peptides. Mutations in this gene result in Leber congenital amaurosis and cone-rod dystrophy-6 diseases. [provided by RefSeq].

Application Notes

The stated application concentrations are suggested starting points. Titration of the Retinal guanylyl cyclase 1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 540-570 from the human protein was used as the immunogen for the Retinal guanylyl cyclase 1 antibody.

Storage

Aliquot the Retinal guanylyl cyclase 1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.