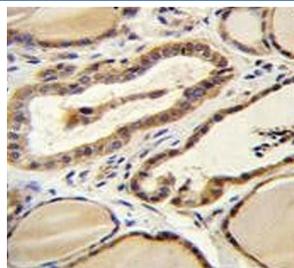


Retinal guanylyl cyclase 1 Antibody / GUCY2D (F54602)

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
Host	Rabbit
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 (1x10 ⁶ cells)
Limitations	This Retinal guanylyl cyclase 1 antibody is available for research use only.



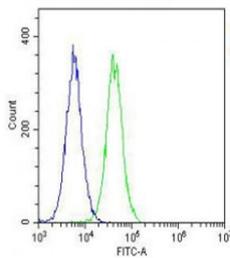
IHC testing of FFPE human thyroid tissue with Retinal guanylyl cyclase 1 antibody.
HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.

kDa
250
130
95
72
55

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

kDa
250
130
95
72
55

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 -20°C or colder. Avoid repeated freeze-thaw cycles.

