

For Research Use Only

# GUCA1C Polyclonal antibody, PBS Only

Catalog Number: 21531-1-PBS



## Basic Information

<b>Catalog Number:</b> 21531-1-PBS	<b>GenBank Accession Number:</b> BC103993	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 9626	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O95843	
<b>Isotype:</b> IgG	<b>Full Name:</b> guanylate cyclase activator 1C	
<b>Immunogen Catalog Number:</b> AG16157	<b>Calculated MW:</b> 209 aa, 24 kDa	

## Applications

**Tested Applications:**  
IHC, Indirect ELISA

**Species Specificity:**  
human, rat

## Background Information

The guanylate cyclase-activating proteins (GCAPs), Ca<sup>2+</sup>-binding proteins of the calmodulin gene superfamily, function as regulators of photoreceptor guanylate cyclases (PMID: 15336959). Three different GCAPs (GCAP1, GCAP2, and GCAP3) are identified in vertebrate retina (PMID: 12596930). The cone-specific guanylate cyclase-activating protein 3 (GCAP3) has been shown to regulate the enzymatic activity of membrane-bound guanylate cyclases (GCs) in bovine and teleost fish photoreceptors, to an extent comparable to that of the paralog protein GCAP1 (PMID: 35328663).

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

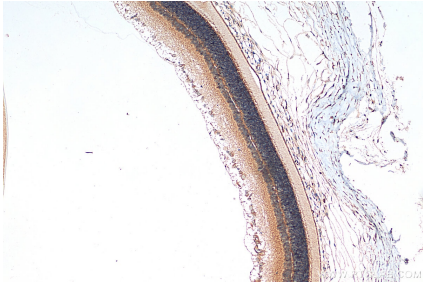
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded rat eye tissue slide using 21531-1-AP (GUCA1C antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 21531-1-PBS in a different storage buffer formulation.