

For Research Use Only

Arrestin C Recombinant antibody, PBS Only

Catalog Number: 85067-5-PBS



Basic Information

Catalog Number:

85067-5-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1580

GenBank Accession Number:

BC012096

GeneID (NCBI):

407

UNIPROT ID:

P36575

Full Name:

arrestin 3, retinal (X-arrestin)

Calculated MW:

43 kDa

Observed MW:

47-50 kDa

Purification Method:

Protein A purification

CloneNo.:

242751B12

Applications

Tested Applications:

WB, IF-P, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

Arrestin C, also known as Arrestin 3 or Retinal Cone Arrestin, is a protein encoded by the ARR3 gene. It belongs to the arrestin family, which plays a crucial role in regulating G-protein-coupled receptor (GPCR) signaling and trafficking. Arrestin C is composed of two major domains: the N-domain and the C-domain, connected by a hinge region. These domains form a structure resembling two clamshells placed end-to-end. The C-terminal tail (C-tail) of Arrestin C interacts extensively with the N-domain, stabilizing its basal conformation. Arrestin C is predominantly expressed in cone photoreceptors and pinealocytes in the retina. It is involved in the shut-off mechanisms associated with high-acuity color vision by binding to phosphorylated and activated opsins, thereby inhibiting their ability to interact with transducin.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

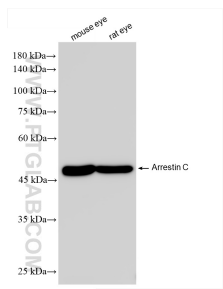
T: 4006900926

E: Proteintech-CN@ptglab.com

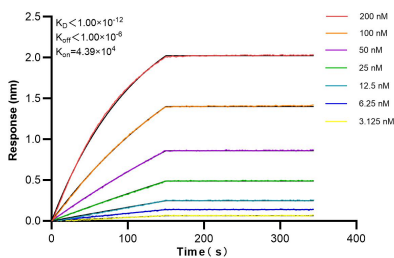
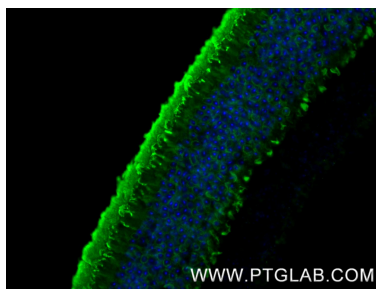
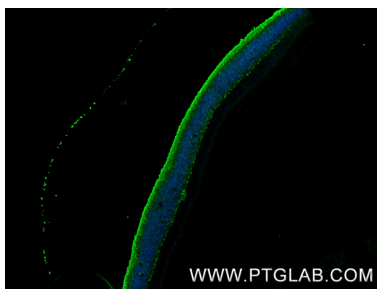
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85067-5-RR (ARR3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85067-5-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 85067-5-RR against Human Arrestin C were performed. The affinity constant is below 1 pM.