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Anti-Cone Arrestin Antibody

Catalog # AP53331

Product Information

Application	WB, IHC, IF/IC
Primary Accession	P36575
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42778

Additional Information

Gene ID	407
Other Names	ARRX; CAR; Arrestin-C; Cone arrestin; C-arrestin; cArr; Retinal cone arrestin-3; X-arrestin
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Cone Arrestin. The exact sequence is proprietary.
Dilution	WB~~ 1:1000 IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

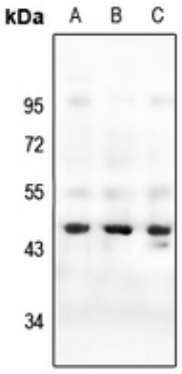
Protein Information

Name	ARR3
Synonyms	ARRX, CAR
Function	May play a role in an as yet undefined retina-specific signal transduction. Could bind to photoactivated-phosphorylated red/green opsins.
Cellular Location	Photoreceptor inner segment {ECO:0000250|UniProtKB:Q9EQP6}. Cell projection, cilium, photoreceptor outer segment {ECO:0000250|UniProtKB:Q9EQP6}
Tissue Location	Inner and outer segments, and the inner plexiform regions of the retina

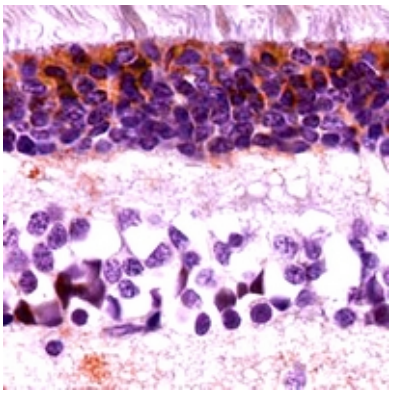
References

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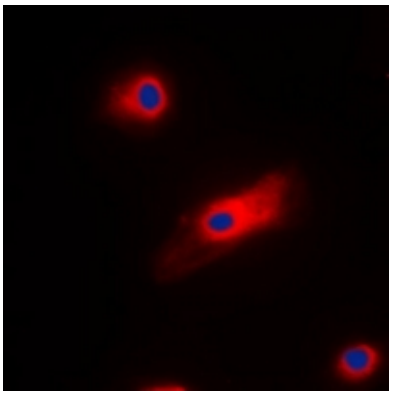
Images



Western blot analysis of Cone Arrestin expression in HEK293T (A), PC3 (B), Hela (C) whole cell lysates. (Predicted band size: 42 kD; Observed band size: 47 kD)



Immunohistochemical analysis of Cone Arrestin staining in human retina formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of Cone Arrestin staining in HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.