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Product datasheet for AP20474PU-N

Arrestin C (ARR3) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	**Western blot**: 1/500-1/1000. **Immunofluorescence**: 1/50-1/200. **Immunohistochemistry on paraffin sections**: 1/50-1/200.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 350-400 of Human Arrestin-C.
Specificity:	This antibody detects endogenous levels of Arrestin-C protein. (region surrounding Glu374)
Formulation:	Phosphate buffered saline (PBS), pH~7.2 containing 0.05% Sodium Azide as preservative. State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE).
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~40, 43 kDa
Gene Name:	arrestin 3 retinal (X-arrestin)
Database Link:	Entrez Gene 407 Human P36575

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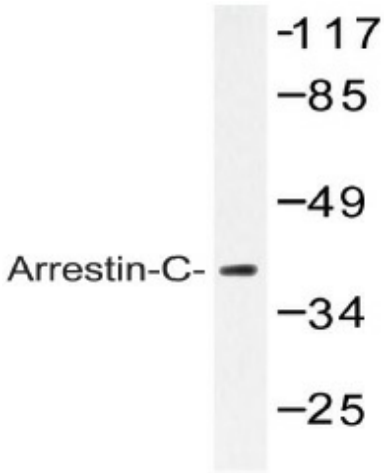
Background: Members of Arrestin/beta-Arrestin protein family are thought to participate in agonist-mediated desensitization of G protein-coupled receptors and cause specific dampening of cellular responses to stimuli such as hormones, neurotransmitters or sensory signals. Arrestin-C, also known as retinal cone Arrestin-3, X-Arrestin or cArr, is a member of the Arrestin family of proteins. It is predominantly found in the retina and pineal gland and localizes to the inner and outer segments of red-, green- and blue-cone photoreceptors and the inner plexiform regions. Two Arrestin-C isoforms exist due to alternative splicing. Isoform 1 is the mature full length protein and isoform 2 is truncated, ending with an arginine for amino acid residue 359. Arrestin-C expression is stimulated by retinoic acid. It may play a role in retina-specific signal transduction and bind to photoactivated-phosphorylated red/green opsins. In addition, Arrestin-C forms homodimers and oligomers with beta-Arrestins and may regulate beta-Arrestin mediated signaling.

Synonyms: ARRX, CAR, Cone arrestin, Retinal cone arrestin-3, X-arrestin, C-ARR, C-Arrestin

Protein Families: Druggable Genome

Product images:



Western blot (WB) analysis of Arrestin-C antibody (Cat.-No.: AP20474PU-N) in extracts from LOVO cells.