Arrestin-C (E374) polyclonal antibody

Catalog: BS2394 Host: Rabbit Reactivity: Human,Mouse

BackGround:

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 β-Arrestins and may regulate β-Arrestin mediated signaling.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 43 kDa

Swiss-Prot:

P36575

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

IF: 1:50~1:200

Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

Arrestin-C (E374) polyclonal antibody detects endogenous levels of Arrestin-C protein.

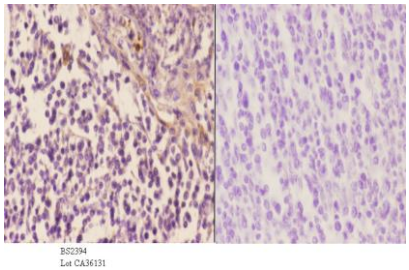
DATA:

Western blot (WB) analysis of Arrestin-C (E374) pAb at 1:500 dilution

Lane1:HEK293T whole cell lysate(40ug)

Lane2:U-87MG whole cell lysate(40ug)

Lane3:PC3 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of Arrestin-C (E374) pAb in paraffin-embedded human tonsil carcinoma tissue at 1:50.showing cytoplasmic and nucleus staining. Negative control (the right)Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

Note:

For research use only, not for use in diagnostic procedure.

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