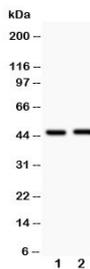


Beta Arrestin 2 Antibody (R30943)

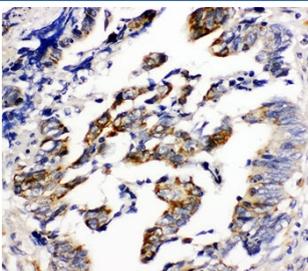
Catalog No.	Formulation	Size
R30943	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

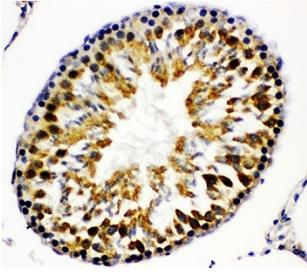
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P32121
Applications	Western Blot : 0.5-1ug/ml IHC (FFPE) : 0.5-1ug/ml
Limitations	This Beta Arrestin 2 antibody is available for research use only.



Western blot testing of Beta Arrestin 2 antibody and Lane 1: human HeLa; 2: rat skeletal muscle. Predicted molecular weight: 44~47kDa (isoforms 1-5).



IHC-P: Beta Arrestin 2 antibody testing of human intestinal cancer tissue. HIER: steamed with pH6 citrate buffer.



IHC-P: Beta Arrestin 2 antibody testing of rat testis tissue. HIER: steamed with pH6 citrate buffer.

Description

Beta Arrestin 2 is an intracellular protein that in humans is encoded by the *ARRB2* gene. Members of the 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, as well as having signalling roles in their own right. Arrestin beta 2, like arrestin beta 1, was shown to inhibit beta-adrenergic receptor function in vitro. It is expressed at high levels in the central nervous system and may play a role in the regulation of synaptic receptors. Beta-arrestins were originally discovered in the context of heterotrimeric G protein-coupled receptor desensitization, but they also function in internalization and signaling of these receptors.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Beta Arrestin 2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human *ARRB2* (RLKGMKDDDYDDQLC) was used as the immunogen for this Beta Arrestin 2 antibody. This sequence is common to isoforms 1-5 of P32121 (UniProt).

Storage

After reconstitution, the Beta Arrestin 2 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.