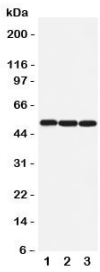
Beta Arrestin 1 Antibody (R31275)

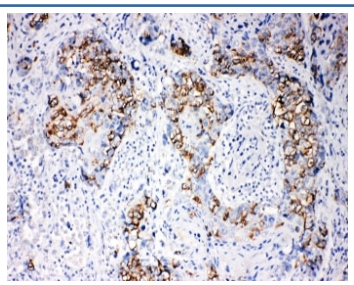
Catalog No.	Formulation	Size
R31275	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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	P49407
Applications	Western blot: 0.5-1ug/ml IHC (FFPE): 0.5-1ug/ml
Limitations	This beta Arrestin 1 antibody is available for research use only.



Western blot testing of beta Arrestin 1 antibody and Lane 1: rat lung; 2: rat skeletal muscle; 3: human SW620 cell lysate. Predicted molecular weight ~51 kDa.



IHC-P: beta Arrestin 1 antibody testing of human breast cancer tissue

Description

Beta Arrestin 1 is a protein which in humans is encoded by the ARRB1 gene. Members of arrestin/beta-arrestin protein family are though 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. By fluorescence in situ hybridization,this gene is mapped to 11q13.4. Beta Arrestin 1 is a cytosolic protein and acts as a cofactor in the beta-adrenergic receptor kinase (BARK) mediated desensitization of beta-adrenergic receptors. Besides the central nervous system, it is expressed at high levels in peripheral blood leukocytes, and thus the BARK/beta-arrestin system is believed to play a major role in regulating receptor-mediated immune functions.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the beta Arrestin 1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the N-terminus of human ARRB1 (ANVQSFPPAPEDKKPLTRLQER) was used as the immunogen for this beta Arrestin 1 antibody (100% homologous in human, mouse and rat).

Storage

After reconstitution, the beta Arrestin 1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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