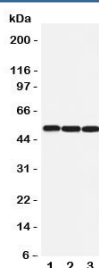


Beta Arrestin 1 Antibody (R31275)

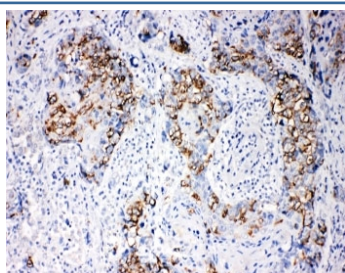
Catalog No.	Formulation	Size
R31275	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
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 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. 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 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.