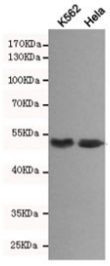
Beta Arrestin 1 Antibody [clone 6A1-D7-C9] (F54014)

Catalog No.	Formulation	Size
F54014-0.1ML	In PBS with 50% glycerol and 0.03% ProClin 300	0.1 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b
Clone Name	6A1-D7-C9
Purity	Protein G affinity
UniProt	P49407
Applications	Western blot: 1:500
Limitations	This Beta Arrestin 1 antibody is available for research use only.



Western blot testing of human K562 and HeLa cell lysates with the Beta Arrestin 1 antibody at 1:500. Predicted molecular weight ~51 kDa.

Description

Functions in regulating agonist-mediated G-protein coupled receptor (GPCR) signaling by mediating both receptor desensitization and resensitization processes. During homologous desensitization, beta-arrestins bind to the GPRK-phosphorylated receptor and sterically preclude its coupling to the cognate G-protein; the binding appears to require additional receptor determinants exposed only in the active receptor conformation. The beta-arrestins target many receptors for internalization by acting as endocytic adapters (CLASPs, clathrin-associated sorting proteins) and recruiting the GPRCs to the adapter protein 2 complex 2 (AP-2) in clathrin-coated pits (CCPs). However, the extent of beta-arrestin involvement appears to vary significantly depending on the receptor, agonist and cell type. [UniProt]

Application Notes

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

Immunogen

A human recombinant protein was used as the immunogen for this Beta Arrestin 1 antibody.

Storage

Store the Beta Arrestin 1 antibody at -20oC.

Copyright © NSJ Bioreagents. All rights reserved.