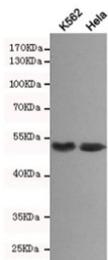


## Beta Arrestin 1 Antibody [clone 6A1-D7-C9] (F54014)

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

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG2b
<b>Clone Name</b>	6A1-D7-C9
<b>Purity</b>	Protein G affinity
<b>UniProt</b>	P49407
<b>Applications</b>	Western Blot : 1:500
<b>Limitations</b>	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 GPCR-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 GPCRs 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.