Arrestin 1 (Phospho-Ser412) Conjugated Antibody

Catalog No: #C11654

Package Size: #C11654-AF350 100ul #C11654-AF405 100ul #C11654-AF488 100ul #C11654-AF555 100ul #C11654-AF594 100ul #C11654-AF647 100ul #C11654-AF680 100ul #C11654-AF750 100ul #C11654-Biotin 100ul

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Description

Product Name	Arrestin 1 (Phospho-Ser412) Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of Arrestin-1 only when phosphorylated at serine 412.
Immunogen Description	Peptide sequence around phosphorylation site of Serine 412 (T-G-S(p)-P-Q) derived from Human Arrestin 1.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	ARR1;arrestin 2;arrestin beta 1;beta-arrestin-1
Accession No.	Swiss-Prot#:P49407NCBI Gene ID:408NCBI mRNA#:NM_004041.4. NCBI Protein#:NP_004032.2.
Uniprot	P49407
GeneID	408;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	50
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Product Description

Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.

Background

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.

Note: This product is for in vitro research use only