Arrestin 1 (Phospho-Ser412) Antibody

Catalog No: #11654

Package Size: #11654-1 50ul #11654-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

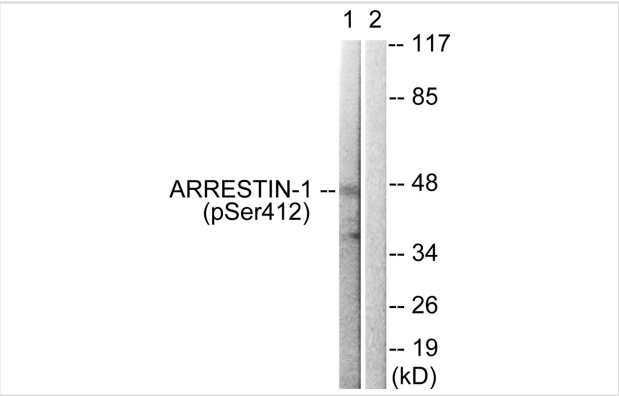
Product Name	Arrestin 1 (Phospho-Ser412) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of Arrestin-1 only when phosphorylated at serine 412.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of Serine 412 (T-G-S(p)-P-Q) derived from Human Arrestin 1.
Target Name	Arrestin 1
Modification	Phospho
Other Names	ARR1; arrestin 2; arrestin beta 1; beta-arrestin-1;
Accession No.	Swiss-Prot#: P49407; NCBI Gene#: 408; NCBI Protein#: NP_004032.2.
Uniprot	P49407
GeneID	408;
SDS-PAGE MW	50kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

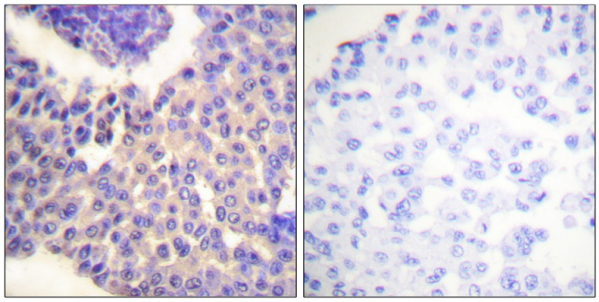
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from COS7 cells treated with Etoposide using Arrestin 1 (Phospho-Ser412) Antibody #11654.The lane on the right is treated with the antigen-specific peptide.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Arrestin 1 (Phospho-Ser412) antibody #11654 (left)or the same antibody preincubated with blocking peptide (right).

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.

Greg Buchanan. AACR Meeting Abstracts, Apr 2006; 2006: 430.

D. Alex Groarke. Mol. Pharmacol., Feb 2001; 59: 375.

Karen McConalogue. Mol. Biol. Cell, Aug 1998; 9: 2305.

Maria Stella Lombardi. Stroke, Apr 2004; 35: 981 - 986.

Note: This product is for in vitro research use only