

Arrestin- β -1 (Phospho Ser412) Rabbit pAb

CatalogNo: YP0642 **Orthogonal Validated** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Monkey

Applications

- WB, IHC, IF, ELISA

MW

- 47kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000

IHC 1:100-1:300

ELISA 1:10000

IF 1:50-200

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen The antiserum was produced against synthesized peptide derived from human Arrestin 1 around the phosphorylation site of Ser412. AA range: 369-418

Specificity

Phospho-Arrestin- β -1 (S412) Polyclonal Antibody detects endogenous levels of Arrestin- β -1 protein only when phosphorylated at S412. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):TGSPQ

Target Information

Gene name ARRB1

Protein Name Beta-arrestin-1

Organism	Gene ID	UniProt ID
Human	408;	P49407;
Mouse	109689;	Q8BWG8;

Cellular Localization

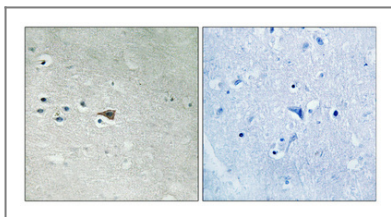
Cytoplasm. Nucleus. Cell membrane. Membrane, clathrin-coated pit . Cell projection, pseudopodium . Cytoplasmic vesicle. Translocates to the plasma membrane and colocalizes with antagonist-stimulated GPCRs. The monomeric form is predominantly located in the nucleus. The oligomeric form is located in the cytoplasm. Translocates to the nucleus upon stimulation of OPRD1 (By similarity). .

Tissue specificity Brain,Peripheral blood,Uterus,

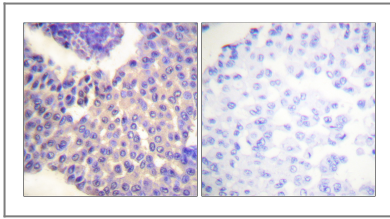
Function

Function:Regulates beta-adrenergic receptor function. Beta-arrestins seem to bind phosphorylated beta-adrenergic receptors, thereby causing a significant impairment of their capacity to activate G(S) proteins.,online information:Arrestin entry,similarity:Belongs to the arrestin family.,

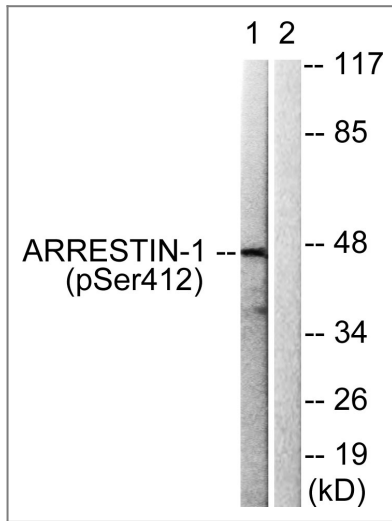
Validation Data



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using Arrestin 1 (Phospho-Ser412) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from COS7 cells treated with Etoposide 25uM 60', using Arrestin 1 (Phospho-Ser412) Antibody. The lane on the right is blocked with the phospho peptide.

Contact information

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Please scan the QR code to access additional product information:
**Arrestin-β-1
(Phospho Ser412)
Rabbit pAb**

For Research Use Only. Not for Use in Diagnostic Procedures.

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