

## Arrestin- $\beta$ -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- $\beta$ -1 (S412) Polyclonal Antibody detects endogenous levels of Arrestin- $\beta$ -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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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	<a href="#">408;</a>	<a href="#">P49407;</a>
Mouse	<a href="#">109689;</a>	<a href="#">Q8BWG8;</a>

### Cellular Localization

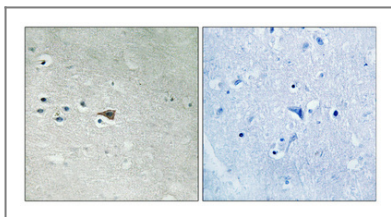
Cytoplasm. Nucleus. Cell membrane. Membrane , clathrin-coated pit . Cell projection , pseudopodium . Cytoplasmic vesicle. Translocates to the plasma membrane and colocalizes with antagonist-stimulated GPCRs. The monomeric form is predominantly located in the nucleus. The oligomeric form is located in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

**Tissue specificity** Brain ,Peripheral blood ,Uterus ,

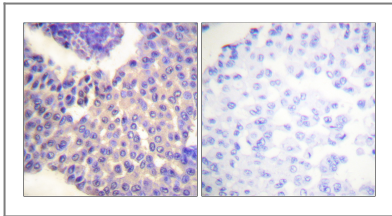
### Function

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. ,

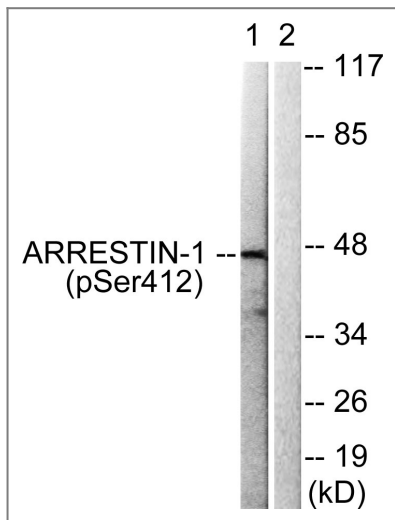
## Validation Data



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100 (4°C 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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