

## Rabbit PI3K p85 alpha/p55 gamma Polyclonal Antibody | anti-PIK3R1 antibody

Anti-PI3K p85 alpha/p55 gamma (pY467/199) Phospho Antibody

| CATALOG # | HOST   | REACTIVITY                | APPLICATIONS                                                                |
|-----------|--------|---------------------------|-----------------------------------------------------------------------------|
| AAA260658 | Rabbit | Human, Mouse, Rat, Bovine | Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot |

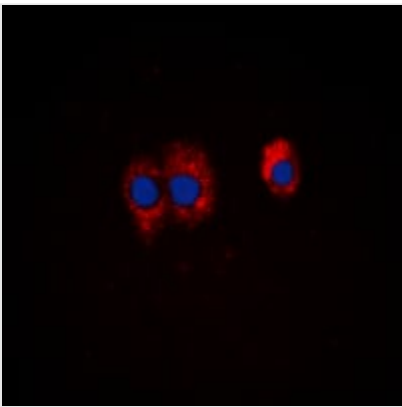
### PRODUCT SYNONYMS

PI3K p85 alpha/p55 gamma; Polyclonal Antibody; Anti-PI3K p85 alpha/p55 gamma (pY467/199) Phospho Antibody; PIK3R1; GRB1; Phosphatidylinositol 3-kinase regulatory subunit alpha; PI3-kinase regulatory subunit alpha; PI3K regulatory subunit alpha; PtdIns-3-kinase regulatory subunit alpha; Phosphatidylinositol 3-kinase 85 kDa regulatory subunit alpha; PI3-kinase subunit p85-alpha; PtdIns-3-kinase regulatory subunit p85-alpha; PIK3R3; Phosphatidylinositol 3-kinase regulatory subunit gamma; PI3-kinase regulatory subunit gamma; PI3K regulatory subunit gamma; PtdIns-3-kinase regulatory subunit gamma; Phosphatidylinositol 3-kinase 55 kDa regulatory subunit gamma; PI3-kinase subunit p55-gamma; PtdIns-3-kinase regulatory subunit p55-gamma; p55PIK; anti-PIK3R1 antibody

### PRODUCT SPECIFICATIONS

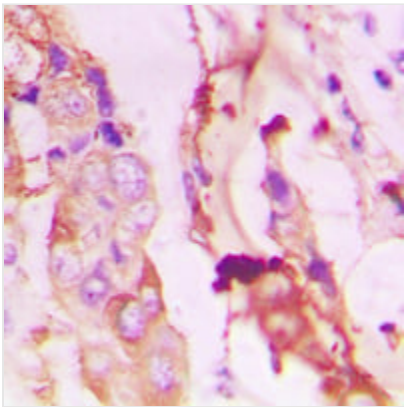
|                                                  |                                                                                                                                                                     |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                              |
| Reactivity                                       | Human, Mouse, Rat, Bovine                                                                                                                                           |
| Clonality                                        | Polyclonal                                                                                                                                                          |
| Specificity                                      | Recognizes endogenous levels of PI3K p85 alpha/p55 gamma (pY467/199) protein.                                                                                       |
| Purity/Purification                              | The antibody was purified by immunogen affinity chromatography.                                                                                                     |
| Form/Format                                      | Liquid in 0.42% Potassium Phosphate, 0.87% Sodium Chloride, pH 7.3, 30% Glycerol, and 0.01% Sodium Azide.                                                           |
| Sequence Length                                  | 724                                                                                                                                                                 |
| Applicable Applications for anti-PIK3R1 antibody | ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                                   |
| Immunogen                                        | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human PI3K p85 alpha/p55 gamma (pY467/199). The exact sequence is proprietary. |
| Preparation and Storage                          | Shipped and store at 4 degree C for one year. Do not freeze.                                                                                                        |

IMAGES



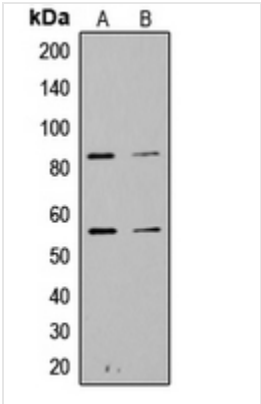
IF (Immunofluorescence)

Immunofluorescent analysis of PI3K p85 alpha/p55 gamma (pY467/199) staining in HEK293T cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



IHC (Immunohistochemistry)

Immunohistochemical analysis of PI3K p85 alpha/p55 gamma (pY467/199) staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



WB (Western Blot)

Western blot analysis of PI3K p85 alpha/p55 gamma (pY467/199) expression in HEK293T (A), NIH3T3 (B) whole cell lysates.

ADDITIONAL INFORMATION

|                                                      |                                                                    |
|------------------------------------------------------|--------------------------------------------------------------------|
| Related Product Information for anti-PIK3R1 antibody | Rabbit polyclonal antibody to PI3K p85 alpha/p55 gamma (pY467/199) |
|------------------------------------------------------|--------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                        |
|----------------------------------|------------------------------------------------------------------------|
| NCBI GI #                        | 118572681                                                              |
| NCBI GeneID                      | 5295                                                                   |
| UniProt Accession #              | P27986; Q15747; Q4VBZ7; Q53EM6; Q8IXA2; Q8N1C5; B3KT19; D3DWA0; E7EX19 |
| Molecular Weight                 | 42,838 Da                                                              |
| NCBI Official Full Name          | Phosphatidylinositol 3-kinase regulatory subunit alpha                 |
| NCBI Official Synonym Full Names | phosphoinositide-3-kinase regulatory subunit 1                         |
| NCBI Official Symbol             | PIK3R1                                                                 |
| NCBI Official Synonym Symbols    | p85; AGM7; GRB1; IMD36; p85-ALPHA                                      |

|                            |                                                                                                                                                                                                |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI Protein Information   | phosphatidylinositol 3-kinase regulatory subunit alpha                                                                                                                                         |
| UniProt Protein Name       | Phosphatidylinositol 3-kinase regulatory subunit alpha                                                                                                                                         |
| UniProt Gene Name          | <b>PIK3R1</b>                                                                                                                                                                                  |
| UniProt Synonym Gene Names | GRB1; PI3-kinase regulatory subunit alpha; PI3K regulatory subunit alpha; PtdIns-3-kinase regulatory subunit alpha; PI3-kinase subunit p85-alpha; PtdIns-3-kinase regulatory subunit p85-alpha |
| UniProt Entry Name         | P85A_HUMAN                                                                                                                                                                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/polyclonal/pi3k-p85-alpha-p55-gamma-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/260658>