

## Rabbit PI3K p85 alpha/p55 gamma Polyclonal Antibody | anti-PI3Kp85alpha/p55gamma antibody

Rabbit anti-PI3K p85 alpha/p55 gamma (pY467/199) Antibody

| CATALOG # | HOST   | REACTIVITY                | APPLICATIONS                                           |
|-----------|--------|---------------------------|--------------------------------------------------------|
| AAA222685 | Rabbit | Human, Mouse, Rat, Bovine | Immunofluorescence, Immunohistochemistry, Western Blot |

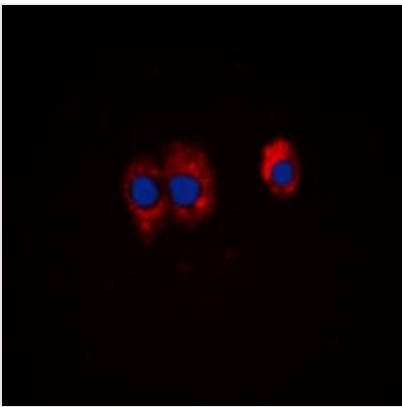
### PRODUCT SYNONYMS

PI3K p85 alpha/p55 gamma; Polyclonal Antibody; Rabbit anti-PI3K p85 alpha/p55 gamma (pY467/199) 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-PI3Kp85alpha/p55gamma antibody

### PRODUCT SPECIFICATIONS

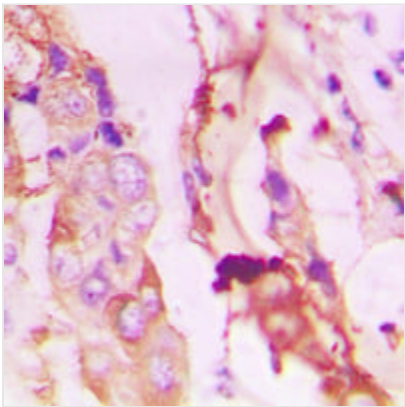
|                                                                 |                                                                                                                                                                     |
|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                            | Rabbit                                                                                                                                                              |
| Reactivity                                                      | Human, Mouse, Rat, Bovine                                                                                                                                           |
| Clonality                                                       | Polyclonal                                                                                                                                                          |
| 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.                                                           |
| Concentration                                                   | 1mg/mL (varies by lot)                                                                                                                                              |
| Applicable Applications for anti-PI3Kp85alpha/p55gamma antibody | 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                                         | Store at -20 degree C. Avoid repeated freeze/thaw cycles.                                                                                                           |

IMAGES



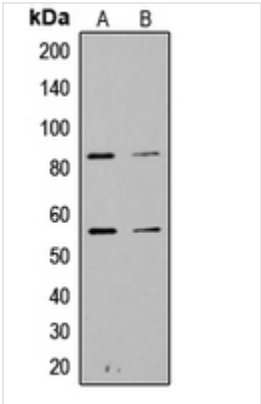
IF (Immunofluorescence)

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

|                                                                   |                    |
|-------------------------------------------------------------------|--------------------|
| Product Categories/Family for anti-PI3Kp85alpha/p55gamma antibody | Primary antibodies |
|-------------------------------------------------------------------|--------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                  |
|----------------------------------|------------------------------------------------------------------|
| NCBI GI #                        | 335057534                                                        |
| NCBI GeneID                      | 5295                                                             |
| NCBI Accession #                 | NP_001229395.1                                                   |
| NCBI GenBank Nucleotide #        | NM_001242466.1                                                   |
| UniProt Accession #              | P27986; Q92569; P26450; Q64143; Q63787; Q63789                   |
| Molecular Weight                 | 83,598 Da                                                        |
| NCBI Official Full Name          | phosphatidylinositol 3-kinase regulatory subunit alpha isoform 4 |
| NCBI Official Synonym Full Names | phosphoinositide-3-kinase, regulatory subunit 1 (alpha)          |

|                               |                                                                                                                                                                                                                                                                 |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI Official Symbol          | PIK3R1                                                                                                                                                                                                                                                          |
| NCBI Official Synonym Symbols | p85; AGM7; GRB1; p85-ALPHA                                                                                                                                                                                                                                      |
| NCBI Protein Information      | phosphatidylinositol 3-kinase regulatory subunit alpha; PI3-kinase subunit p85-alpha; PI3K regulatory subunit alpha; ptdIns-3-kinase regulatory subunit alpha; phosphoinositide-3-kinase regulatory subunit; phosphatidylinositol 3-kinase-associated p-85 alph |
| 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                                                                                                                |
| 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.

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