

## PI3-kinase p85-subunit alpha/gamma Antibody | anti-PI3K antibody

PI3-kinase p85-subunit alpha/gamma (Phospho-Tyr467/199) Antibody

|                               |                                        |                                                                |
|-------------------------------|----------------------------------------|----------------------------------------------------------------|
| CATALOG #<br><b>AAA267624</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>ELISA, Immunofluorescence, Western Blot</b> |
|-------------------------------|----------------------------------------|----------------------------------------------------------------|

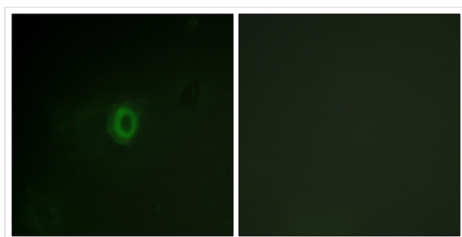
### PRODUCT SYNONYMS

PI3-kinase p85-subunit alpha/gamma; PI3-kinase p85-subunit alpha/gamma (Phospho-Tyr467/199) Antibody; GRB1; P85A; PI3-kinase p85-alpha subunit; PI3K p85-alpha; Phosphatidylinositol 3-kinase regulatory alpha subunit; PtdIns-3-kinase p85-alpha; anti-PI3K antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                     |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                     | Human, Mouse, Rat                                                                                                                                                                                                                                   |
| Specificity                                    | PI3-kinase p85-subunit alpha/gamma (Phospho-Tyr467/199) antibody detects endogenous levels of PI3-kinase p85-subunit alpha/gamma only when phosphorylated at tyrosine 467/199.                                                                      |
| Purity/Purification                            | Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site. |
| Form/Format                                    | In phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                             |
| Sequence Length                                | 361                                                                                                                                                                                                                                                 |
| Applicable Applications for anti-PI3K antibody | ELISA, IF (Immunofluorescence), WB (Western Blot)                                                                                                                                                                                                   |
| Immunogen                                      | The antiserum was produced against synthesized phosphopeptide derived from human PI3-kinase p85-subunit alpha/gamma around the phosphorylation site of tyrosine 467/199 (R-L-YP-E-E).                                                               |
| All Sites                                      | Human: Tyr467/199<br>Mouse: Tyr467/199<br>Rat: Tyr467/199                                                                                                                                                                                           |
| Preparation and Storage                        | Store at -20 degree C for 1 year.                                                                                                                                                                                                                   |

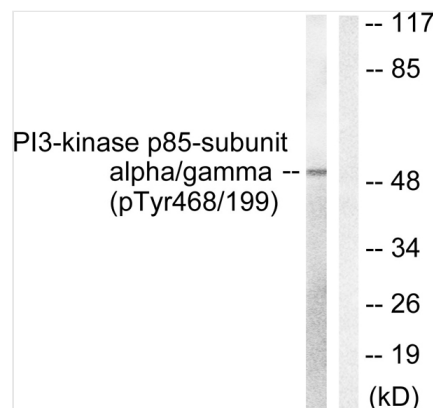
### IMAGES



#### WB (Western Blot)

P-peptide-+ Western blot analysis of extracts from COS7 cells, treated with H<sub>2</sub>O<sub>2</sub> (100uM, 30mins), using PI3-kinase p85-subunit alpha/gamma (Phospho-Tyr467/199) antibody.

Immunofluorescence analysis of NIH/3T3 cells, using PI3-kinase p85-subunit alpha/gamma (Phospho-Tyr467/199) antibody.



Application Data

ADDITIONAL INFORMATION

|            |                                                                                                                                        |
|------------|----------------------------------------------------------------------------------------------------------------------------------------|
| References | Skolnik E.Y., Cell 65:83-90(1991). Antonetti D.A., Mol. Cell. Biol. 16:2195-2203(1996). Van Horn D.J., J. Biol. Chem. 269:29-32(1994). |
|------------|----------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 335057534                                                                                                                                                                                      |
| NCBI GeneID                      | 5295                                                                                                                                                                                           |
| NCBI Accession #                 | NP_001229395.1                                                                                                                                                                                 |
| NCBI GenBank Nucleotide #        | NM_001242466.1                                                                                                                                                                                 |
| 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 isoform 4                                                                                                                               |
| 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                | PIK3R1                                                                                                                                                                                         |
| 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 |

**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/pi3k-human-mouse-rat-antibody/pi3-kinasep85-subunit-alpha-gamma/267624>