

## Rabbit anti-Human PIK3R3 Polyclonal Antibody | anti-PIK3R3 antibody

PIK3R3 Antibody (C-term)

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                  |
|-----------|--------|------------|---------------------------------------------------------------|
| AAA288493 | Rabbit | Human      | Immunofluorescence, Western Blot, Immunohistochemistry, ELISA |

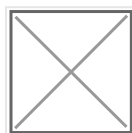
### PRODUCT SYNONYMS

PIK3R3; Polyclonal Antibody; PIK3R3 Antibody (C-term); 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-PIK3R3 antibody

### PRODUCT SPECIFICATIONS

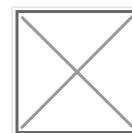
|                                                  |                                                                                                                                                                                           |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                    |
| Reactivity                                       | Human                                                                                                                                                                                     |
| Clonality                                        | Polyclonal                                                                                                                                                                                |
| Isotype                                          | Rabbit Ig                                                                                                                                                                                 |
| Specificity                                      | This PIK3R3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 316-346 amino acids from the C-terminal region of human PIK3R3.                  |
| Purity/Purification                              | Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                                                 |
| Form/Format                                      | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |
| Concentration                                    | Vial Concentration: 2 (varies by lot)                                                                                                                                                     |
| Sequence Positions                               | 316-346                                                                                                                                                                                   |
| Sequence Length                                  | 366                                                                                                                                                                                       |
| Applicable Applications for anti-PIK3R3 antibody | IF (Immunofluorescence), WB (Western Blot), IHC (Immunohistochemistry), ELISA                                                                                                             |
| Antigen Type                                     | Synthetic Peptide                                                                                                                                                                         |
| Crown Antibody                                   | Yes                                                                                                                                                                                       |
| Antigen Source                                   | HUMAN                                                                                                                                                                                     |
| Preparation and Storage                          | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                                    |

### IMAGES



#### IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with PIK3R3 antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



#### WB (Western Blot)

Western blot analysis of lysate from MDA-MB-453 cell line, using PI3KR3 Antibody (G331) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.



**IF (Immunofluorescence)**

Fluorescent image of U251 cells stained with PIK3R3 Antibody(C-term). AAA288493 was diluted at 1:100 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor 555 conjugated with Phalloidin (red).

**ADDITIONAL INFORMATION**

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-PIK3R3 antibody | PIK3R3 binds to activated (phosphorylated) protein-tyrosine kinases through its SH2 domain and regulates their kinase activity. During insulin stimulation, it also binds to IRS-1. It is a component of a heterodimer of p110 (catalytic) and p55 (regulatory) subunits. The protein is expressed at highest levels in brain and testis. Lower levels are detected in adipose tissue, kidney, heart, lung and skeletal muscle. The protein contains 2 SH2 domains. |
| Product Categories/Family for anti-PIK3R3 antibody   | Crown Antibodies; Cancer; Immunology; Signal Transduction                                                                                                                                                                                                                                                                                                                                                                                                           |
| References                                           | Dey, B.R., et al., Gene 209 (1-2), 175-183 (1998).                                                                                                                                                                                                                                                                                                                                                                                                                  |

**NCBI AND UNIPROT INFORMATION**

|                                  |                                                                                                                                                                                          |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 166795247                                                                                                                                                                                |
| NCBI GeneID                      | 8503                                                                                                                                                                                     |
| NCBI Accession #                 | NP_001107644.1; NP_003620.3                                                                                                                                                              |
| NCBI GenBank Nucleotide #        | NM_001114172.1                                                                                                                                                                           |
| UniProt Accession #              | Q92569; O60482; Q5T4P1; Q5T4P2; B2R9C1; D3DQ12                                                                                                                                           |
| Molecular Weight                 | 54448                                                                                                                                                                                    |
| NCBI Official Full Name          | phosphatidylinositol 3-kinase regulatory subunit gamma                                                                                                                                   |
| NCBI Official Synonym Full Names | phosphoinositide-3-kinase, regulatory subunit 3 (gamma)                                                                                                                                  |
| NCBI Official Symbol             | PIK3R3                                                                                                                                                                                   |
| NCBI Official Synonym Symbols    | p55; p55PIK; p55-GAMMA                                                                                                                                                                   |
| NCBI Protein Information         | phosphatidylinositol 3-kinase regulatory subunit gamma                                                                                                                                   |
| UniProt Protein Name             | Phosphatidylinositol 3-kinase regulatory subunit gamma                                                                                                                                   |
| UniProt Gene Name                | PIK3R3                                                                                                                                                                                   |
| UniProt Synonym Gene Names       | PI3-kinase regulatory subunit gamma; PI3K regulatory subunit gamma; PtdIns-3-kinase regulatory subunit gamma; PI3-kinase subunit p55-gamma; PtdIns-3-kinase regulatory subunit p55-gamma |
| UniProt Entry Name               | P55G_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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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pik3r3-antibody-immunofluorescence-western-blot-immunohistochemistry-elisa/288493>