

## Rabbit PIK3R1 Polyclonal Antibody | anti-PIK3R1 antibody

Anti-PIK3R1 Antibody, Rabbit Polyclonal

| CATALOG # | HOST   | REACTIVITY                                                                                            | APPLICATIONS                      |
|-----------|--------|-------------------------------------------------------------------------------------------------------|-----------------------------------|
| AAA254611 | Rabbit | HumanPredicted to React with: Mouse, Rat (Species predicted to react based on 100% sequence homology) | Immunoprecipitation, Western Blot |

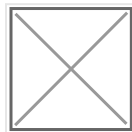
### PRODUCT SYNONYMS

PIK3R1; Polyclonal Antibody; Anti-PIK3R1 Antibody; Rabbit Polyclonal; PIK3R1 Antibody; Rabbit PAb; Antigen Affinity Purified; phosphoinositide-3-kinase; regulatory subunit 1 (alpha); Anti-AGM7 Antibody; Anti-GRB1 Antibody; Anti-IMD36 Antibody; Anti-p85 Antibody; Anti-p85-ALPHA Antibody; anti-PIK3R1 antibody

### PRODUCT SPECIFICATIONS

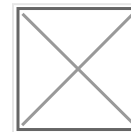
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|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                                                                                                |
| Reactivity                                       | Human<br>Predicted to React with: Mouse, Rat (Species predicted to react based on 100% sequence homology)                                                                                                                                                             |
| Clonality                                        | Polyclonal                                                                                                                                                                                                                                                            |
| Isotype                                          | Rabbit IgG                                                                                                                                                                                                                                                            |
| Specificity                                      | Human PIK3R1                                                                                                                                                                                                                                                          |
| Purity/Purification                              | Protein A & Antigen Affinity                                                                                                                                                                                                                                          |
| Form/Format                                      | Liquid; 0.2um filtered solution in PBS                                                                                                                                                                                                                                |
| Applicable Applications for anti-PIK3R1 antibody | IP (Immunoprecipitation), WB (Western Blot)                                                                                                                                                                                                                           |
| Immunogen                                        | A synthetic peptide corresponding to the center region of the Human PIK3R1                                                                                                                                                                                            |
| Conjugation                                      | Unconjugated                                                                                                                                                                                                                                                          |
| Preparation                                      | Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Human PIK3R1, and purified by antigen affinity chromatography.                                                                                                       |
| Preparation and Storage                          | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. |

### IMAGES



#### IP (Immunoprecipitation)

EKLF was immunoprecipitated using: Lane A: 0.5 mg A431 Whole Cell Lysate Lane B: 0.5 mg HeLa Whole Cell Lysate Lane C: 0.5 mg Raw264.7 Whole Cell Lysate 4 uL anti-EKLF rabbit polyclonal antibody and 15 uL of 50 % Protein G agarose. Primary antibody: Anti-EKLF rabbit polyclonal antibody, at 1:100 dilution Secondary antibody: Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution Developed using the odssey technique. Performed under reducing conditions. Predicted band size: 38 kDa Observed band size: 38 kDa



#### WB (Western Blot)

Anti-PIK3R1 rabbit polyclonal antibody at 1:500 dilution Lane A: A431 Whole Cell Lysate Lane B: HeLa Whole Cell Lysate Lane C: HT29 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti- Rabbit & IgG H&L (Dylight 800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 38 kDa Observed band size: 39 kDa (We are unsure as to the identity of these extra bands).

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-PIK3R1 antibody | Phosphoinositide-3-kinase regulatory subunit 1 (PIK3R1), which encodes protein PI3Kp85 (p85), was identified as a FOXA1 target gene. As a tumor suppressor, FOXA1 targets PIK3R1 directly to inhibit PI3K/Akt signaling pathway, thus exerting a negative regulatory effect on proliferation, migration, and invasion of HCC in male patients. |
| Product Categories/Family for anti-PIK3R1 antibody   | Actin Dynamics Signaling Pathway                                                                                                                                                                                                                                                                                                               |

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                 | 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                | 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                                                                                                                |
| 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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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pik3r1-antibody-immunoprecipitation-western-blot-elisa/254611>