

Product Data Sheet

Anti-PI3K p85 alpha (pY607) Antibody

| Catalog # | Source | Reactivity | Applications |
|--------------------------|---|------------|--------------|
| CPA7142 | Rabbit | H, M, R, B | WB, IH |
| Description | Rabbit polyclonal antibody to PI3K p85 alpha (pY607) | | |
| Immunogen | KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human PI3K p85 alpha (pY607). The exact sequence is proprietary. | | |
| Purification | The antibody was purified by immunogen affinity chromatography. | | |
| Specificity | Recognizes endogenous levels of PI3K p85 alpha (pY607) protein. | | |
| Clonality | Polyclonal | | |
| Form | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. | | |
| Dilution | WB (1/500 - 1/1000), IH (1/100 - 1/200) | | |
| Gene Symbol | PIK3R1 | | |
| Alternative Names | 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 p | | |
| Entrez Gene | 5295 (Human); 18708 (Mouse); 25513 (Rat) | | |
| SwissProt | P27986 (Human); P26450 (Mouse); Q63787 (Rat) | | |
| Storage/Stability | Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles. | | |

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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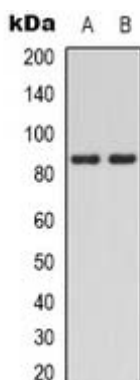
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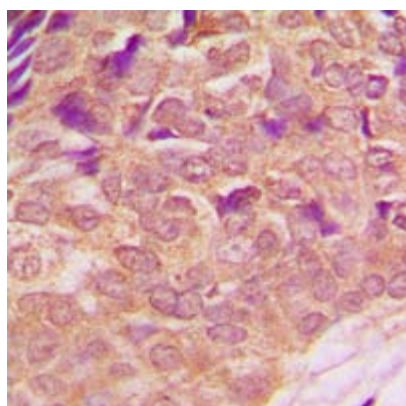
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Western blot analysis of PI3K p85 alpha (pY607) expression in Jurkat (A), rat kidney (B) whole cell lysates.



Immunohistochemical analysis of PI3K p85 alpha (pY607) staining in human breast 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 conjugate compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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