

Product datasheet for TA392646S

Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500~1:1000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic phosphopeptide derived from human PI3K p85 α /p55 γ around the phosphorylation site of Tyrosine 467/199.
Specificity:	p-PI3K p85 α /p55 γ (Y467/Y199) polyclonal antibody detects endogenous levels of PI3K p85 α only when phosphorylated at Tyr467. This antibody also detects PI3K p55 γ when phosphorylated at Tyr199.
Formulation:	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Concentration:	1mg/ml
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Stability:	1 year
Predicted Protein Size:	~ 55, 85 kDa
Database Link:	P27986/Q92569
Background:	The enzyme phosphatidylinositol 3 kinase (PI3 kinase) is a lipid kinase that generates phosphatidylinositol 3, 4, 5-triphosphate in response to receptor activation in many signal transduction pathways. Class IA PI3Ks exist as a heterodimer of a catalytic 110 kDa (p110) and a regulatory p85 subunit (e.g. p85 α). p85 α is an adaptor molecule that regulates the activity of the catalytic p110 subunit by binding to phosphorylated receptor tyrosine kinases (RTKs) through its SH2 domain and mediating the interaction between p110 and the plasma membrane. p85 α is necessary for insulin-stimulated increase in glucose uptake and glycogen synthesis in insulin-sensitive tissues.

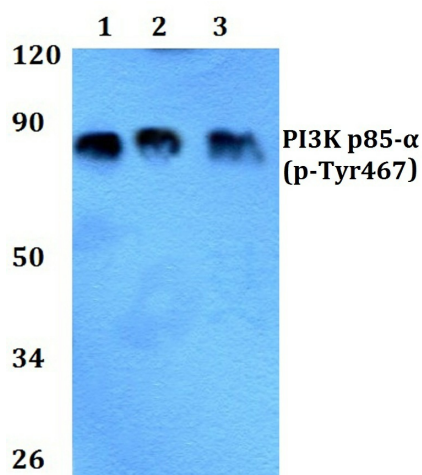

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Synonyms:

GRB1; p55PIK; Phosphatidylinositol 3-kinase 55 kDa regulatory subunit gamma; Phosphatidylinositol 3-kinase 85 kDa regulatory subunit alpha; Phosphatidylinositol 3-kinase regulatory subunit alpha; Phosphatidylinositol 3-kinase regulatory subunit gamma; PI3-kinase regulatory subunit alpha; PI3-kinase regulatory subunit gamma; PI3-kinase subunit p55-gamma; PI3-kinase subunit p85-alpha; PI3K regulatory subunit alpha; PI3K regulatory subunit gamma; PIK3R1; PIK3R3; PtdIns-3-kinase regulatory subunit alpha; PtdIns-3-kinase regulatory subunit gamma; PtdIns-3-kinase regulatory subunit p55-gamma; PtdIns-3-kinase regulatory subunit p85-alpha

Note:

For research use only, not for use in diagnostic procedure.

Product images:


Western blot (WB) analysis of p-PI3K p85- α /p55 γ (Tyr467/199) polyclonal antibody at 1:500 dilution
Lane1:HEK293T whole cell lysate Lane2:sp2/0 whole cell lysate Lane3:PC12 whole cell lysate