PI 3-kinase p85α (Q498) polyclonal antibody

Catalog: BCP01302 Host: Rabbit Reactivity: Human,Rat,Mouse

BackGround:

Phosphoinositide 3-kinase (PI3K) catalyzes the production of phosphatidylinositol-3,4,5-triphosphate by phosphorylating phosphatidylinositol (PI), phosphatidylinositol-4-phosphate (PIP), and phosphatidylinositol-4,5-bisphosphate (PIP2). Growth factors and hormones trigger this phosphorylation event, which in turn coordinates cell growth, cell cycle entry, cell migration, and cell survival. PTEN reverses this process, and research studies have shown that the PI3K signaling pathway is constitutively activated in human cancers that have loss of function of PTEN. PI3Ks are composed of a catalytic subunit (p110) and a regulatory subunit. Various isoforms of the catalytic subunit (p110α, p110β, p110γ, and p110δ) have been isolated, and the regulatory subunits that associate with p110α, p110β, and p110δ are p85α and p85β. In contrast, p110γ associates with a p101 regulatory subunit that is unrelated to p85. Furthermore, p110γ is activated by βγ subunits of heterotrimeric G proteins.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 85 kDa

Swiss-Prot:

P27986

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:1000~1:2000

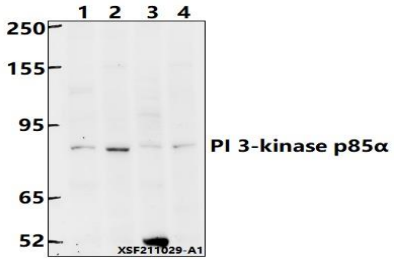
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

PI 3-kinase p85α (Q498) polyclonal antibody detects endogenous levels of PI 3-kinase p85α protein.

DATA:



Western blot (WB) analysis of PI 3-kinase p85α (Q498) polyclonal antibody at 1:1000 dilution

Lane1:C6 whole cell lysate(40ug)

Lane2:Hela whole cell lysate(40ug)

Lane3:HEK293T whole cell lysate(40ug)

Lane4:AML-12 whole cell lysate(40ug)

Note:

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

Complex biotech, co. Ltd.
Add：No 9, weidi road Qixia District Nanjing, 210046, P. R. China.