

PI3K p85 α polyclonal antibody

Catalog: BS91073

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Phosphatidylinositol 3-kinase (PI 3-kinase) phosphorylates the 3' OH position of the inositol ring of inositol lipids and is composed of p85 and p110 subunits. PI 3-kinase p85 lacks PI 3-kinase activity and acts as an adapter, coupling p110 to activated protein tyrosine kinase. Two forms of p85 have been described (p85 α and p85 β), each possessing one SH3 and two SH2 domains. PI 3-kinase p85 α , also known as GRB1, phosphatidylinositol 3-kinase regulatory 1 or p85, is a 724 amino acid protein that exists as four alternatively spliced isoforms. Involved in insulin metabolism, defects in the PI 3-kinase p85 α gene have been linked to insulin resistance. PI 3-kinase p85 α is polyubiquitinated in T-cells by Cbl-b, and has multiple phosphorylated amino acid residues, including a phosphorylated tyrosine residue at position 467.

Product:

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

Molecular Weight:

84 kDa

Swiss-Prot:

P27986(Human) P26450(Mouse) Q63787(Rat)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:1,000-1:2,000

ICC:1:50-1:200

IHC:1:50-1:200

FC:1:50-1:100

Storage&Stability:

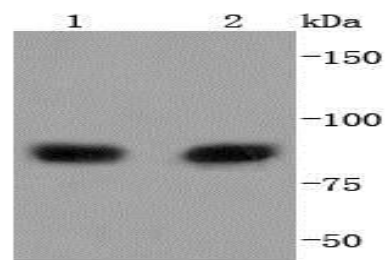
Store at +4 °C after thawing. Aliquot store at -20 °C or

-80 °C. Avoid repeated freeze / thaw cycles.

Specificity:

PI3K p85 α polyclonal antibody detects endogenous levels of PI3K p85 α protein.

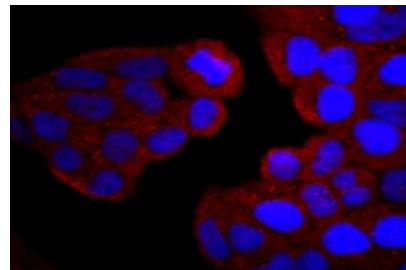
DATA:



Western blot analysis of PI 3 Kinase p85 alpha on different lysates using anti-PI 3 Kinase p85 alpha antibody at 1/1,000 dilution. Positive control:

Lane 1: MCF-7

Lane 2: Raji



ICC staining PI 3 Kinase p85 alpha in HeLa cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Note:

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

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