

Basic Information

Product Name	Anti-PI3K p85 alpha/PIK3R1 Antibody
Gene Name	PIK3R1
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human PI 3 Kinase p85 alpha, identical to the related rat and mouse sequences.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	85 kDa
Dilution Ratios	Western blot (WB):1:500-2000

Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

Background Information

Phosphatidylinositol 3-kinase regulatory subunit alpha is an enzyme that in humans is encoded by the PIK3R1 gene. Its gene is mapped to 5q13. the bovine PI3K p85 subunit consists of 2 closely related proteins, p85-alpha and p85-beta. They cloned cDNAs encoding both p85 subunits, each of which is a 724-amino acid polypeptide. Phosphatidylinositol 3-kinase plays an important role in the metabolic actions of insulin, and a mutation in this gene has been associated with insulin resistance.

Reference

Anti-PI3K p85 alpha/PIK3R1 Antibody被引用在4文献中。

Selected Validation Data

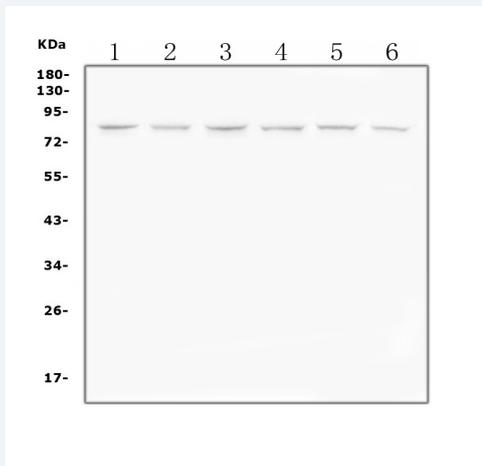


Figure 1. Western blot analysis of PI3K p85 alpha/PIK3R1 using anti-PI3K p85 alpha/PIK3R1 antibody (BA1352-2). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: rat brain tissue lysates,

Lane 2: rat lung tissue lysates,

Lane 3: rat PC-12 whole cell lysates,

Lane 4: mouse brain tissue lysates,

Lane 5: mouse HEPA1-6 whole cell lysates,

Lane 6: mouse RAW264.7 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-PI3K p85 alpha/PIK3R1 antigen affinity purified polyclonal antibody (BA1352-2) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for PI3K p85 alpha/PIK3R1 at approximately 85 kDa. The expected band size for PI3K p85 alpha/PIK3R1 is at 84 kDa.