

## Anti-Phospho-PI3K p85 alpha/PIK3R1 (Y580) Antibody

Catalog Number: P00318-4

### About PIK3R1

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.

### Overview

Product Name	Anti-Phospho-PI3K p85 alpha/PIK3R1 (Y580) Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Phospho-PI3K p85 alpha/PIK3R1 (Y580) Antibody catalog # P00318-4. Tested in WB applications. This antibody reacts with Human, Mouse, Rat.
Application	WB
Clonality	Polyclonal
Formulation	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg stabilizing protein and 50% glycerol This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	12 months from date of receipt at -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P27986

### Technical Details

Immunogen	A synthesized peptide derived from human PI3K p85 alpha around the phosphorylation site of Tyr580.
Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.
Suggested Dilutions	Western blot, 1:500-2000

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