

## PIK3R1

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**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC

**Recommended Dilution:**WB 1:500 - 1:1000 IHC 1:50 - 1:200

**Calculated MW:**84kDa

**Observed MW:**Refer to figures

**Immunogen:**

Recombinant protein of human PIK3R1

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

p85; AGM7; GRB1; IMD36; p85-ALPHA;

**Background:**

Phosphatidylinositol 3-kinase phosphorylates the inositol ring of phosphatidylinositol at the 3-prime position. The enzyme comprises a 110 kD catalytic subunit and a regulatory subunit of either 85, 55, or 50 kD. This gene encodes the 85 kD regulatory subunit. 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. Alternative splicing of this gene results in four transcript variants encoding different isoforms.

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**Catalog #:**A10608

**Antibody Type:**

Monoclonal Antibody

**Species:**Mouse

**Gene ID:**5295

**Isotype:**IgG

**Swiss Prot:**P27986

**Purity:**Affinity purification

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