# Anti-phospho-PRKAA2 protein Polyclonal Antibody

Cat. #: 60B153 Pho Ab

Description:
PRKAA2 protein is responsible for the regulation of fatty acid synthesis by phosphorylation of acetyl-CoA carboxylase. It also regulates cholesterol synthesis via phosphorylation and inactivation of hormone-sensitive lipase and hydroxymethylglutaryl-CoA reductase. The protein appears to act as a metabolic stress-sensing protein kinase switching off biosynthetic pathways when cellular ATP levels are depleted and when 5'-AMP rises in response to fuel limitation and/or hypoxia. This is a catalytic subunit.

Immunogen/Specificity:
Polyclonal antibody produced in rabbits immunizing with a synthetic phospho-peptide corresponding to N-terminal residues (phospho site at 175 Serine) of human PRKAA2 protein or AMPK, AMPK2 (5'-AMP-activated protein kinase, catalytic alpha-2 chain)

References
Reference:
Aguan,K., et al, Gene 149 (2), 345-350 (1994)
Beri,R.K., et al, FEBS Lett. 356 (1), 117-121 (1994)

Clone Number:
Isotype:
Species: Human
Storage and Stability: at -20oC

Storage buffer:
This antibody is stored in PBS, 0.01% sodium azide and 50% glycerol.

Preparation:
Purified by antigen-specific affinity chromatography.

Applications :
ELISA
Western Blotting (1µg/ml for 2hrs)

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