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Datasheet

PRKAA2 monoclonal antibody, clone 8E11H5

Catalog Number: MAB17897

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against partial recombinant human PRKAA2.

Clone Name: 8E11H5

Immunogen: Recombinant protein corresponding to amino acids 453-552 of human PRKAA2.

Host: Mouse

Theoretical MW (kDa): 62.3

Reactivity: Human

Applications: ELISA, Flow Cyt, WB-Tr
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Form: Liquid

Isotype: IgG1

Recommend Usage: ELISA (1:10000)
Flow Cytometry (1:200-1:400)
Western Blot (1:100-1:500)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.05% sodium azide).

Storage Instruction: Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 5563

Gene Symbol: PRKAA2

Gene Alias: AMPK, AMPK2, PRKAA

Gene Summary: The protein encoded by this gene is a catalytic subunit of the AMP-activated protein kinase (AMPK). AMPK is a heterotrimer consisting of an alpha catalytic subunit, and non-catalytic beta and gamma subunits. AMPK is an important energy-sensing enzyme that monitors cellular energy status. In response to cellular metabolic stresses, AMPK is activated, and thus phosphorylates and inactivates acetyl-CoA carboxylase (ACC) and beta-hydroxy beta-methylglutaryl-CoA reductase (HMGCR), key enzymes involved in regulating de novo biosynthesis of fatty acid and cholesterol. Studies of the mouse counterpart suggest that this catalytic subunit may control whole-body insulin sensitivity and is necessary for maintaining myocardial energy homeostasis during ischemia. [provided by RefSeq]