Phospho-AMPK alpha 2 (Ser491) Rabbit pAb

db4248 **Package : 20μL 50μL 100μL**

Product Name : Phospho-AMPK alpha 2 (Ser491) Rabbit pAb
Cat.No.: db4248
Synonyms : AMPK; AMPK2; PRKAA; AMPKa2
Application : WB
Reactivity : Human, Mouse, Rat
Host species : Rabbit

Background	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, Jul 2008]
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Ser491 of human AMPK alpha 2
Gene ID	5563
Swiss Prot	P54646
Synonyms	AMPK; AMPK2; PRKAA; AMPKa2
Reactivity	Human, Mouse, Rat
Application	WB
Recommended dilution	WB: 1:1000-1:5000
Calculated MW	62 kDa
Observed MW	62 kDa
Host species	Rabbit
Clonality	Polyclonal
Isotype	IgG

Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.