Recombinant DGRmAb®

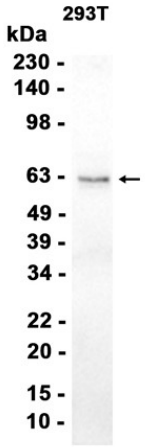
Phospho-AMPK alpha 2 (Ser491) (DGR15359) Rabbit mAb (PBS Only)

db13946-PBS **Package : 10μg 100μg**

Product Name : Phospho-AMPK alpha 2 (Ser491) (DGR15359) Rabbit mAb (PBS Only)
Cat.No.: db13946-PBS
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
Calculated MW	62 kDa
Observed MW	62 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR15359
Isotype	IgG

Purity	Affinity Purification
Conjugation	Un-conjugated
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



Western blot analysis of extracts from 293T cells using db13946 at 1:1000.