Recombinant DGRmAb®

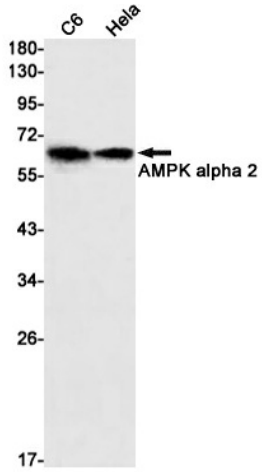
AMPK alpha 2 (DGR14497) Rabbit mAb (PBS Only)

db11167-PBS **Package : 10μg 100μg**

Product Name : AMPK alpha 2 (DGR14497) Rabbit mAb (PBS Only)
Cat.No.: db11167-PBS
Synonyms : AMPK; AMPK2; PRKAA; AMPKa2
Application : WB, IP
Reactivity : Human
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	Recombinant protein of human AMPK alpha 2
Gene ID	5563
Swiss Prot	P54646
Synonyms	AMPK; AMPK2; PRKAA; AMPKa2
Reactivity	Human
Application	WB, IP
Calculated MW	62 kDa
Observed MW	62 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR14497
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 detection of AMPK alpha 2 in C6,Hela cell lysates using AMPK alpha 2 antibody(1:1000 diluted).