Recombinant DGRmAb®

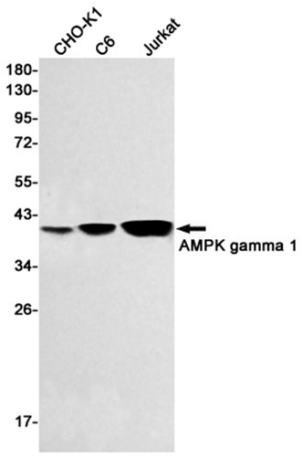
AMPK gamma 1 (DGR19961) Rabbit mAb

db14570 **Package : 10μL 20μL 50μL 100μL**

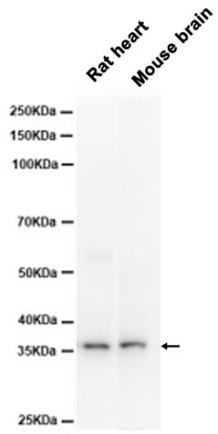
Product Name : AMPK gamma 1 (DGR19961) Rabbit mAb
Cat.No.: db14570
Synonyms : AMPKG
Application : WB, FC, IP
Reactivity : Human, Mouse, Rat
Host species : Rabbit

Background	The protein encoded by this gene is a regulatory 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. This subunit is one of the gamma regulatory subunits of AMPK. Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq, Jul 2008]
Immunogen	A synthetic peptide of human AMPK gamma 1
Gene ID	5571
Swiss Prot	P54619
Synonyms	AMPKG
Reactivity	Human, Mouse, Rat
Application	WB, FC, IP
Recommended dilution	WB: 1:1000 FC: 1:20 IP: 1:20
Calculated MW	38 kDa
Observed MW	38 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR19961

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.



Western blot detection of AMPK gamma 1 in CHO-K1,C6,Jurkat cell lysates using AMPK gamma 1 antibody(1:500 diluted).



Western blot analysis of extracts from Rat heart，Mouse brain tissue using db14570 at 1:1000.