Recombinant DGRmAb®

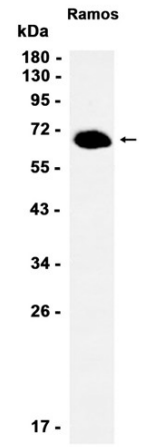
Phospho-AMPK alpha 1 (Ser496) (DGR31610) Rabbit mAb

db14230 **Package : 10μL 20μL 50μL 100μL**

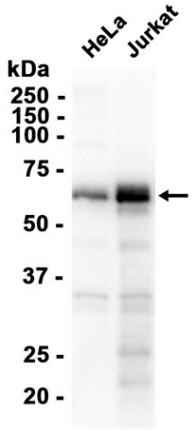
Product Name : Phospho-AMPK alpha 1 (Ser496) (DGR31610) Rabbit mAb
Cat.No.: db14230
Synonyms : AMPK; AMPKa1
Application : WB, ICC/IF
Reactivity : Human
Host species : Rabbit

Background	The protein encoded by this gene belongs to the ser/thr protein kinase family. It is the catalytic subunit of the 5'-prime-AMP-activated protein kinase (AMPK). AMPK is a cellular energy sensor conserved in all eukaryotic cells. The kinase activity of AMPK is activated by the stimuli that increase the cellular AMP/ATP ratio. AMPK regulates the activities of a number of key metabolic enzymes through phosphorylation. It protects cells from stresses that cause ATP depletion by switching off ATP-consuming biosynthetic pathways. Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq, Jul 2008]
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Ser496 of human AMPK alpha 1
Gene ID	5562
Swiss Prot	Q13131
Synonyms	AMPK; AMPKa1
Reactivity	Human
Application	WB, ICC/IF
Recommended dilution	WB: 1:1000-1:5000 ICC/IF: 1:100-1:200
Calculated MW	64 kDa
Observed MW	64 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR31610
Isotype	IgG

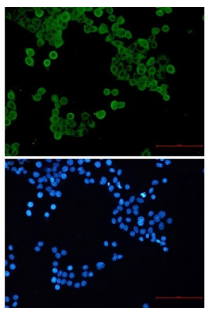
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot analysis of extracts from Ramos cells using db14230 at 1:1000.



Western blot analysis of extracts from HeLa, Jurkat cells using db14230 at 1:1000.



Immunofluorescent analysis of HeLa cells using db14230 antibody (green), and DAPI (blue).