Recombinant DGRmAb®

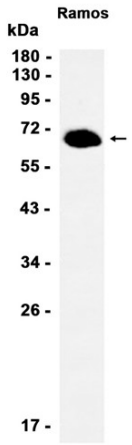
Phospho-AMPK alpha 1 (Ser496) (DGR31610) Rabbit mAb (PBS Only)

db14230-PBS **Package : 10μg 100μg**

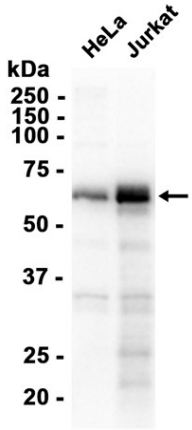
Product Name : Phospho-AMPK alpha 1 (Ser496) (DGR31610) Rabbit mAb (PBS Only)
Cat.No.: db14230-PBS
Synonyms : AMPK; AMPKa1
Application : WB, ICC/IF
Reactivity : Human
Host species : Rabbit

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
Calculated MW	64 kDa
Observed MW	64 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR31610
Isotype	IgG
Purity	Affinity Purification

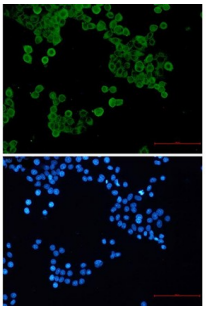
Conjugation	Un-conjugated
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



Western blot analysis of extracts from 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).