

Recombinant

DGRmAb®

AMPK alpha 1 (DGR12278) Rabbit mAb

db15794

Package : 10µL 20µL 50µL 100µL

Product Name : AMPK alpha 1 (DGR12278) Rabbit mAb**Cat.No.:** db15794**Synonyms** : AMPK; AMPKa1**Application** : WB, IHC-P, ICC/IF, FC, IP**Reactivity** : Human,Mouse,Rat**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 peptide of human AMPK alpha 1

Gene ID

5562

Swiss Prot

Q13131

Synonyms

AMPK; AMPKa1

Reactivity

Human,Mouse,Rat

Application

WB, IHC-P, ICC/IF, FC, IP

Recommended dilution

WB: 1:1000-1:5000

IHC-P: 1:100-1:200

ICC/IF: 1:100-1:200

FC: 1:100-1:200

IP: 1:50

Calculated MW

63 kDa

Observed MW

63 kDa

Host species

Rabbit

Clonality

Monoclonal

| | |
|-------------------|---|
| Clonality No. | DGR12278 |
| 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. |

