

Recombinant

DGRmAb®

## Phospho-AMPK alpha 1 (Thr183)/AMPK alpha 2 (Thr172) (DGR18480) Rabbit mAb

db13913

Package : 10µL 20µL 50µL 100µL

**Product Name :** Phospho-AMPK alpha 1 (Thr183)/AMPK alpha 2 (Thr172) (DGR18480) Rabbit mAb**Cat.No.:** db13913**Synonyms :** AMPK; AMPKa1**Application :** WB**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 phosphopeptide corresponding to residues surrounding Thr183/Thr172 of human AMPK alpha 1/AMPK alpha 2

**Gene ID**

5562

**Swiss Prot**

P54646

**Synonyms**

AMPK; AMPKa1

**Reactivity**

Human,Mouse,Rat

**Application**

WB

**Recommended dilution**

WB: 1:1000-1:5000

**Calculated MW**

64,62 kDa

**Observed MW**

62 kDa

**Host species**

Rabbit

**Clonality**

Monoclonal

**Clonality No.**

DGR18480

**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.

