

Recombinant

DGRmAb®

**Phospho-AMPK alpha 1 (Thr183)/AMPK alpha 2 (Thr172) (DGR18480) Rabbit mAb (PBS Only)**

db13913-PBS

Package : 100µg

**Product Name** : Phospho-AMPK alpha 1 (Thr183)/AMPK alpha 2 (Thr172) (DGR18480) Rabbit mAb (PBS Only)**Cat.No.:** db13913-PBS**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

**Calculated MW**

64,62 kDa

**Observed MW**

62 kDa

**Host species**

Rabbit

**Clonality**

Monoclonal

**Clonality No.**

DGR18480

**Isotype**

IgG

**Purity**

Affinity Purification

<b>Conjugation</b>	Un-conjugated
<b>Concentration</b>	1 mg/mL
<b>Formulation</b>	PBS Only
<b>Storage Stability</b>	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 U2OS cells using [db13913](#) at 1:1000.

