### A22024

Leader in Biomolecular Solutions for Life Science

# AMPKy1 Rabbit pAb

Catalog No.: A22024



### **Basic Information**

Observed MW 37kDa/

Calculated MW 38kDa

Category Polyclonal Antibody

Applications WB,ELISA

Cross-Reactivity Human,Mouse,Rat

### Background

The protein encoded by this gene is a regulatory subunit of the AMP-activated protein kinase (AMPK). AMPK is a heterotrimer consisting of an alpha catalytic subunit, and non-catalytic beta and gamma subunits. AMPK is an important energy-sensing enzyme that monitors cellular energy status. In response to cellular metabolic stresses, AMPK is activated, and thus phosphorylates and inactivates acetyl-CoA carboxylase (ACC) and beta-hydroxy beta-methylglutaryl-CoA reductase (HMGCR), key enzymes involved in regulating de novo biosynthesis of fatty acid and cholesterol. This subunit is one of the gamma regulatory subunits of AMPK. Alternatively spliced transcript variants encoding distinct isoforms have been observed.

### **Recommended Dilutions**

### **Immunogen Information**

WB

1:100 - 1:500

# **Gene ID** 5571

Swiss Prot P54619

#### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 100-200 of human AMPKy1 (NP\_002724.1).

**Synonyms** AMPKG; AMPKγ1

Contact

## Product Information

 www.abclonal.com

Purification Affinity purification

### Storage

Source

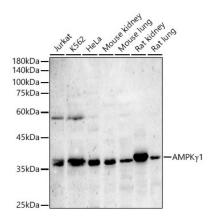
Rabbit

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

Isotype

lgG

## **Validation Data**



Western blot analysis of various lysates, using AMPKγ1 Rabbit pAb (A22024) at 1:400 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25μg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.

Western blot analysis of various lysates using AMPKγ1 Rabbit pAb (A22024) at 1:500 dilution. Secondary antibody MRP Goat Anti-Rabbit IgG (H+L)(AS014) at 1:10000 dilution. Lysates (proteines 25 μg per lane. 140kD Blocking buffen 3 % nonfat dry milk in TBST. 100kD Detection:ECL Basic Kit (RM00020). 75kDa –

