

DATASHEET

Version: 2016-08-17

AMPK γ 2 Antibody, pAb, Rabbit

Cat. No.: A01624-40

Size: 40 μ g

Synonyms: AMPK gamma 2 antibody, pAb, Rabbit;

Description:

AMP-activated protein kinase (AMPK) plays an important role in the regulation of energy homeostasis. It is activated by an elevated AMP/ATP ratio caused by cellular and environmental stress, such as heat shock, hypoxia, and ischemia. AMPK is a heterotrimeric complex composed of a catalytic α subunit and regulatory β and γ subunits, each of which is encoded by two or three distinct genes (α 1, α 2; β 1, β 2; γ 1, γ 2, γ 3).

GenScript **AMPK γ 2 Antibody, pAb, Rabbit** is developed in rabbit using a KLH-coupled synthetic peptide from C-terminal of human AMPK γ 2 (Swiss Prot: Q9UGJ0).

Immunogen: KLH-coupled synthetic peptide from C-terminal of human AMPK γ 2 (Swiss Prot: Q9UGJ0)

Host: Rabbit

Antigen Synonyms: Human

Conjugation: Unconjugated

Predicated Band Size:

63 KD

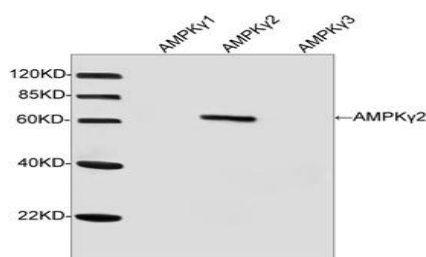
Observed Band Size:

63 KD

Formulation:

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide

Example



Ig Subclass: Rabbit IgG

Specificity: GenScript **AMPK γ 2 Antibody, pAb, Rabbit**

detects human endogenous AMPK γ 2 and does not cross-react with AMPK γ 1 and AMPK γ 3. It is predicted to react with mouse and rat AMPK γ 2 according to sequence homology.

Purification: Immunoaffinity chromatography

Applications:

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

Western blot: 0.5-1 μ g/ml

Other Applications: User optimized

Species Reactivity: Human

Reconstitution:

Reconstitute the lyophilized powder with deionized water (or equivalent) to an antibody concentration of 0.5 mg/ml.

Storage:

The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

Western blot analysis of cell lysates from HEK293 cells transfected with either AMPK γ 1 or AMPK γ 2 or AMPK γ 3 using AMPK γ 2 Antibody, pAb, Rabbit (GenScript, A01624, 1 μ g/ml). The signal was developed with IRDye™ 800 Conjugated Goat Anti-Rabbit IgG.

Predicted Size: 63 KD

Observed Size: 63 KD