

Anti-Phospho-AMPK α 1 (S485) Polyclonal Antibody

05/21

CATALOG NO.: **A2349-50 (50 μ l)**
A2349-100 (100 μ l)

BACKGROUND DESCRIPTION: The 5'-AMP-activated protein kinase (AMPK) is a heterotrimer composed of an alpha catalytic subunit (alpha 1 or alpha 2) and non-catalytic beta and gamma subunits. AMPK is an important energy-sensing enzyme that monitors cellular energy status. AMPK is activated in response to cellular metabolic stresses, regulating various key metabolic enzymes through phosphorylation to protect the cell from ATP depletion by switching off energy-dependent biosynthetic pathways.

ALTERNATE NAMES: PRKAA1; AMPK1; AMPK

ANTIBODY TYPE: Polyclonal

HOST/ISOTYPE: Rabbit / IgG

IMMUNOGEN: A phospho specific peptide corresponding to residues surrounding S485 of human AMPK α 1

PURIFICATION: Affinity purification

MOLECULAR WEIGHT: 56 kDa

FORM: Liquid

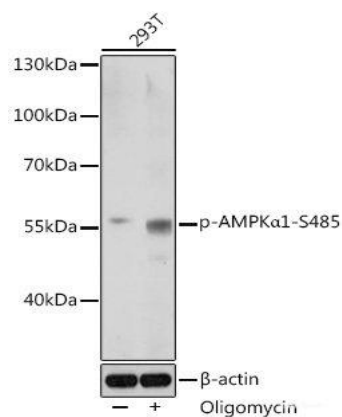
FORMULATION: In PBS with 0.02% sodium azide, 50% glycerol, pH 7.3

SPECIES REACTIVITY: Human

STORAGE CONDITIONS: Aliquot and store at -20 °C. Avoid repeated freeze-thaw cycles

APPLICATIONS: Western Blotting: 1:500 to 1:2000 dilution

This information is only intended as a guide. The optimal dilutions must be determined by the user



Western blot analysis of 293T whole cell lysate samples using Anti-Phospho- AMPK α 1 (S485) Polyclonal Antibody with (+) and without (-) the ATP synthase inhibitor oligomycin.

RELATED PRODUCTS:

Phospho-AMPK β 1 (Ser182) Antibody (Cat. No. A1248)
 AMPK α 1 Antibody (Cat. No. 3951)
 Phospho-AMPK α 1 (Ser496) Antibody (Cat. No. A1247)
 AMPK β Antibody (Cat. No. 3108)
 AMPK γ Antibody (Cat. No. 3109).

FOR RESEARCH USE ONLY! Not to be used on humans

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