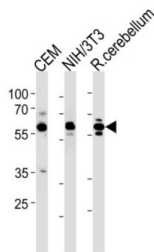


5'-AMP-Activated Protein Kinase Catalytic Subunit Alpha-1 (PRKAA1) Antibody

Catalogue No.: abx034948



5'-AMP-Activated Protein Kinase Catalytic Subunit Alpha-1 (PRKAA1) Antibody is a Rabbit Polyclonal for the detection of PRKAA1. The target is a catalytic subunit of AMP-activated protein kinase (AMPK), an energy sensor protein kinase that plays a key role in regulating cellular energy metabolism. In response to reduction of intracellular ATP levels, AMPK activates energy-producing pathways and inhibits energy-consuming processes: inhibits protein, carbohydrate and lipid biosynthesis, as well as cell growth and proliferation.

Target: 5'-AMP-Activated Protein Kinase Catalytic Subunit Alpha-1 (PRKAA1)

Clonality: Polyclonal

Reactivity: Human, Mouse, Rat

Tested Applications: ELISA, WB

Host: Rabbit

Recommended dilutions: WB: 1/1000. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: KLH-conjugated synthetic peptide between 16-47 amino acids from the N-terminal region of rat Prkaa1.

Isotype: IgG

Form: Liquid

Purification: Purified through a protein A column, followed by peptide affinity purification.

Storage: Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

UniProt Primary AC: P54645 ([UniProt](#), [ExPASy](#))

Datasheet

Version: 2.0.0

Revision date: 18 Aug 2025



NCBI Accession: NP_062015.2

KEGG: rno:65248

String: [10116.ENSRNOP00000017626](#)

Molecular Weight: Calculated MW: 64 kDa

Buffer: PBS containing 0.09% sodium azide.

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only