

PKA RII α (PRKAR2A) Rabbit mAb

Catalog No.: A3889

Recombinant

2 Publications

Basic Information

Observed MW

50kDa

Calculated MW

46kDa

Category

Primary antibody

Applications

ELISA,WB

Cross-Reactivity

Human

CloneNo number

ARC0860

Background

cAMP is a signaling molecule important for a variety of cellular functions. cAMP exerts its effects by activating the cAMP-dependent protein kinase, which transduces the signal through phosphorylation of different target proteins. The inactive kinase holoenzyme is a tetramer composed of two regulatory and two catalytic subunits. cAMP causes the dissociation of the inactive holoenzyme into a dimer of regulatory subunits bound to four cAMP and two free monomeric catalytic subunits. Four different regulatory subunits and three catalytic subunits have been identified in humans. The protein encoded by this gene is one of the regulatory subunits. This subunit can be phosphorylated by the activated catalytic subunit. It may interact with various A-kinase anchoring proteins and determine the subcellular localization of cAMP-dependent protein kinase. This subunit has been shown to regulate protein transport from endosomes to the Golgi apparatus and further to the endoplasmic reticulum (ER).

Recommended Dilutions

WB 1:500 - 1:1000

Immunogen Information

Gene ID

5576

Swiss Prot

P13861

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 312-404 of human PKA RII α (PRKAR2A) (P13861).

SynonymsPKR2; PKA RII α (PRKAR2A)

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

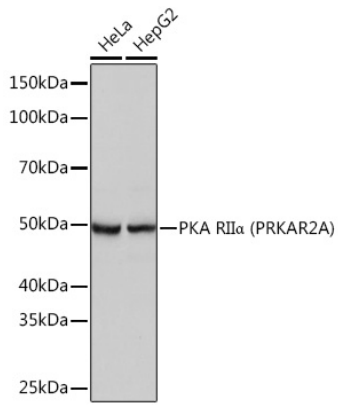
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using PKA RIIα (PRKAR2A) Rabbit mAb (A3889) at 1:1000 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: 3s.