

PKA Polyclonal Antibody

CATALOG NO: 3115-30T 30 µg (Trial size)
3115-100 100 µg

HOST: Rabbit

IMMUNOGEN: Synthetic peptide surrounding amino acid 11 of the catalytic subunit of human PKA alpha isoform (ID# BV-234).

SPECIES REACTIVITY: Human, Mouse, Rat, Bovine, Sheep, Pig

FORMULATION:

0.5 mg/ml affinity purified rabbit anti-PKA polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

STORAGE CONDITIONS:

Store at -20°C. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

BACKGROUND DESCRIPTION:

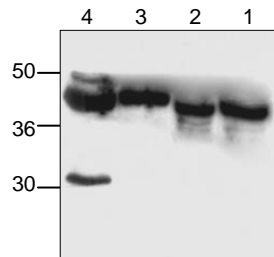
Protein kinase A (PKA) also known as cAMP-dependent protein kinase, is a 40 kDa protein kinase that phosphorylates serine or threonine residues in target proteins in response to elevated levels of cAMP. It has been suggested that the complex structure of PKA may be necessary for it to accomplish such diverse functions.

SPECIFICITY:

Recognizes the 40 kDa PKA of human, mouse, rat, bovine, sheep, and pig origins on SDS-PAGE immunoblots. Blocking peptide (Cat.# 3115BP-50) is available separately.

APPLICATION AND USAGE:

The antibody can be used in Western blot analysis (0.5-4 µg/ml). Jurkat cell lysate (Cat.# 2401-100) can be used as a positive control. Based on researcher's feedback, it can also be used in immunoprecipitation (20-30 µg/ml). However, the optimal conditions should be determined individually.



Cat.# 3115-100
Western blot analysis of PKA expression in lysates from Jurkat cells (Lane 1 & 2), mouse small intestine (Lane 3) and rat kidney (Lane 4).

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

Signal Transduction

- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

Adipocyte & Lipid Transfer

- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

Molecular Biology & Reporter Assays

- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β-Galactosidase Staining Kit & Luciferase Reporter Assay Kit

Growth Factors and Cytokines

Monoclonal and Polyclonal Antibodies