

CaMKII Polyclonal Antibody

CATALOG #: 3383-100

AMOUNT: 100 µg

LOT #: _____

FORMULATION:

100 µg (0.5 mg/ml) purified rabbit polyclonal anti-CaMKII antibody in phosphate-buffered saline (PBS) containing 50% glycerol, 1% BSA, and 0.02% thimerosal.

SPECIES REACTIVITY: human, mouse, rat

STORAGE CONDITIONS:

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

DESCRIPTION:

CaMKII is a member of calcium/calmodulin-activated kinase, functioning in neural synaptic stimulation and T-cell receptor signaling. CaMKII has catalytic and regulatory domains. The binding of Ca⁺⁺/calmodulin to its regulatory domain releases its autoinhibitory effect and activates the kinase. The activated CaMKII further autophosphorylates itself at Thr286 to render the kinase constitutively active.

SPECIFICITY:

The anti-CaMKII antibody recognizes the 50 kDa of CaMKII in samples from human, mouse, and rat origins.

APPLICATION:

The antibody can be used for Western blotting at 1-2 µg/ml. However, the optimal concentrations should be determined individually.

USAGE: For Research Use Only. Not to be used in human.

RELATED PRODUCTS:

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

Cell Fractionation System

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

Cell Proliferation & Senescence

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

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- DNA Damage Quantification Kit
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- PLTP Activity Assay & Drug Discovery Kits
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- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
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