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Phospho-CaMKII Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10280

Specification

Phospho-CaMKII Antibody - Product Information

Application	**WB**
Primary Accession	Q00168.1
Other Accession	ACZ95102.1
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**

Phospho-CaMKII Antibody - Additional Information

Application & Usage	**Western blotting at 1-2 µg/ml. However, the optimal concentrations should be determined individually. The anti-Phospho-CaMKII antibody recognizes only the phosphorylated CaMKII (Thr286) in samples from human, mouse, and rat origins.**

Other Names
CAMK2A , CAMKA , KIAA0968, EC 2.7.11.17

Target/Specificity
CaMKII

Antibody Form
Liquid

Appearance
Colorless liquid

Formulation
100 µl purified rabbit polyclonal anti-Phospho-CaMKII (Thr286) antibody in phosphate-buffered saline (PBS) containing 50% glycerol, 1% BSA, and 0.02% thimerosal.

Handling
The antibody solution should be gently mixed before use.

Reconstitution & Storage
-20 °C

Background Descriptions

Precautions
Phospho-CaMKII Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Phospho-CaMKII Antibody - Protein Information

Phospho-CaMKII Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Phospho-CaMKII Antibody - Images

Phospho-CaMKII Antibody - Background

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.