

Anti-CaMKII Antibody

CATALOG NO: 3383-100

AMOUNT: 100 µg

IMMUNOGEN:

Synthesized peptide derived from human CaMKIIα/δ around the non-phosphorylation site of T286 (230-310aa).

FORMULATION:

Purified rabbit polyclonal anti-CaMKII antibody in phosphate-buffered saline (PBS) containing 50% glycerol, 0.5% BSA, and 0.02% sodium azide

SPECIES REACTIVITY: Human, Mouse, Rat

STORAGE CONDITIONS:

Store at -20 °C. Avoid repeated freeze/thaw 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 auto inhibitory 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 54 kDa of CaMKII in samples from human, mouse, and rat origins.

APPLICATION:

WB 1:500-1:2000; IHC 1:100-1:300; IF 1:200-1:1000; ELISA 1:10000

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



Western Blot analysis of NIH-3T3 and K562 cells using CaMKII Antibody

RELATED PRODUCTS:

- PPAR gamma Antibody (Cat. No. 3809-100)
- DNMT1 Antibody (Cat. No. 3946-100)
- KLF4 Antibody (4G6E11) (Cat. No. 5300-100)
- NIF1 Antibody (Cat. No. 3737-100)

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