

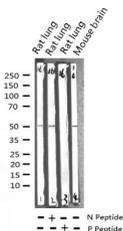
Phospho-CaMK2 (Thr286) Ab

Cat.#: AF3493
 Size: 100ul,200ul

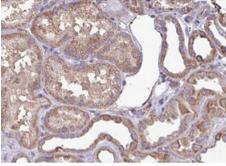
Concn.: 1mg/ml
 Source: Rabbit

Mol.Wt.: 50kDa
 Clonality: Polyclonal

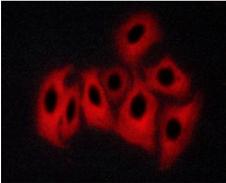
- Application:** WB 1:500-1:2000 IHC 1:50-1:200 IF/ICC 1:100-1:500
- Reactivity:** Human,Mouse,Rat
- Purification:** The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
- Specificity:** Phospho-CaMK2 (Thr286) Ab detects endogenous levels of CaMK2 only when phosphorylated at Threonine 286.
- Immunogen:** A synthesized peptide derived from human CaMK2 around the phosphorylation site of Threonine 286.
- Uniprot:** Q9UQM7/Q13557
- Description:** CaMK2-delta a protein kinase of the CAMK2 family. A prominent kinase in the central nervous system that may function in long-term potentiation and neurotransmitter release. Member of the NMDAR signaling complex in excitatory synapses that may regulate NMDAR-dependent potentiation of the AMPAR and synaptic plasticity.
- Subcellular Location:** Cell junction > synapse > presynaptic cell membrane. Cell junction > synapse. Postsynaptic lipid rafts.
- Similarity:** Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. CaMK subfamily.
- Storage Condition and Buffer:** Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.



Western blot analysis of Phospho-CaMK2 (Thr286) expression in various lysates



AF3493 at 1/100 staining human kidney carcinoma tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.



AF3493 staining MKN-45 cells treated with Forskolin 30 μ M, 20 min by ICC/IF. Cells were fixed with PFA and permeabilized in 0.1% saponin prior to blocking in 10% serum for 45 minutes at 37°C. The primary Ab was diluted 1/400 and incubated with the sample for 1 hour at 37°C. A Alexa Fluor 594 conjugated goat polyclonal to rabbit IgG (H+L), diluted 1/600 was used as secondary Ab.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

For Research Use Only. Not for use in diagnostic and therapeutic procedures. Not for resale without express authorization.