

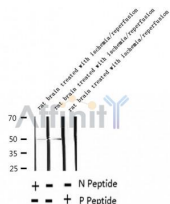
Phospho-CaMKII (Tyr231) Ab

Cat.#: AF2327
Size: 100ul,200ul

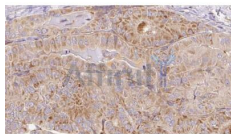
Concn.: 1mg/ml
Source: Rabbit

Mol.Wt.: 50kDa
Clonality: Polyclonal

| | |
|-------------------------------|---|
| Application: | WB 1:500-1:2000, IHC 1:50-1:200 |
| 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-CaMKII (Tyr231) Ab detects endogenous levels of CaMKII. |
| Immunogen: | A synthesized peptide derived from human CaMKII around the phosphorylation site of Tyr231. |
| Uniprot: | Q13554 |
| Subcellular Location: | Cell junction > synapse > presynaptic cell membrane. Cell junction > synapse. Postsynaptic lipid rafts. |
| Tissue Specificity: | Widely expressed. Expressed in adult and fetal brain. Expression is slightly lower in fetal brain. Expressed in skeletal muscle. |
| Similarity: | The CAMK2 protein kinases contain a unique C-terminal subunit association domain responsible for oligomerization.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 extracts of rat brain treated with ischemia/reperfusion, using Phospho-CaMKII (Tyr231) Ab.



AF2327 at 1/100 staining Human thyroid cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample 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.

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.