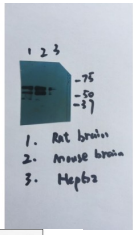
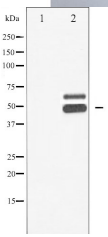
Phospho-CaMK2 beta/ gamma/ delta (Thr287) Ab

Cat.#: AF3434	Concn.: 1mg/ml	Mol.Wt.: 50+65kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

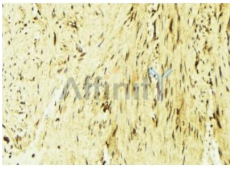
Application:	WB 1:500-1:2000 IHC 1:50-1:200
Reactivity:	Human,Mouse,Rat
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Specificity:	Phospho-CaMK2- beta/ gamma/ delta (Thr287) Ab detects endogenous levels of CaMK2- beta/ gamma/ delta only when phosphorylated at Threonine 287.
Immunogen:	A synthesized peptide derived from human CaMK2- beta/ gamma/ delta around the phosphorylation site of Threonine 287.
Uniprot:	Q13554/Q13555/Q13557
Description:	The product of this gene belongs to the serine/threonine protein kinase family and to the Ca(2+)/calmodulin-dependent protein kinase subfamily. Calcium signaling is crucial for several aspects of plasticity at glutamatergic synapses.
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.



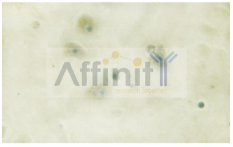
Western blot analysis of Phospho-CaMK2 beta/ gamma/ delta (Thr287) Ab expression in rat brain, mouse brain and HepG2 cell/tissue lysates.



Western blot analysis of CaMK2- beta/ gamma/ delta phosphorylation expression in Rat brain tissue lysates,The lane on the left is treated with the antigen-specific peptide.



AF3434 at 1/100 staining Mouse muscle 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.



AF3434 at 1/100 staining human brain tissues 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 45°C

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.

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