



CaMK2- $\beta/\gamma/\delta$ (Phospho-Thr287) Antibody

E11-8085A

Catalog Number: E11-8085A

Concentration: 1mg/ml

Swiss-Prot No.: Q13554/Q13555/Q13557

Other Names: Calcium/calmodulin-dependent protein kinase type II beta chain; CaM kinase II beta subunit; CaM-kinase II beta chain; CAM2; CaMK-II beta subunit; CAMK2B; CAMKB; EC 2.7.1.123; EC 2.7.11.17; KCC2B; kinase CaMK2-beta

All Sites: Human: Thr287; Mouse: Thr287; Rat: Thr287

Storage/Stability: Store at -20°C/1 year

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg^{2+} and Ca^{2+}), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Immunogen: The antiserum was produced against synthesized phosphopeptide derived from human CaMK2- $\beta/\gamma/\delta$ around the phosphorylation site of threonine 287 (Q-E-T^P-V-E).

Purification: The antibody was affinity-purified from

rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.

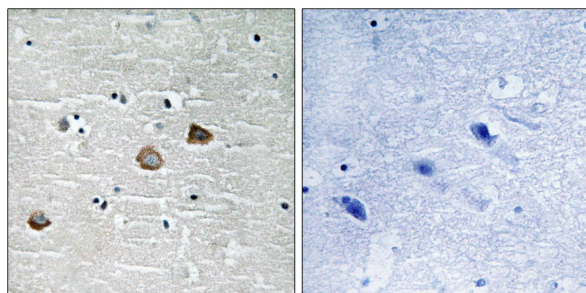
Specificity: CaMK2- $\beta/\gamma/\delta$ (Phospho-Thr287) antibody detects endogenous levels of CaMK2- $\beta/\gamma/\delta$ only when phosphorylated at threonine 287.

Reactivity: Human (Identities = 100%, Positives = 100%);
Mouse (Identities = 100%, Positives = 100%);
Rat (Identities = 100%, Positives = 100%)

Applications: WB: 1:500~1:1000 IHC: 1:50~1:100
ELISA: 1:10000

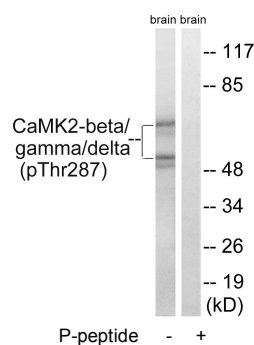
References:

Wang P., FEBS Lett. 475:107-110(2000).
Rochlitz H., Diabetologia 43:465-473(2000).
Krapivinsky G., Neuron 43:563-574(2004).



P-peptide - +

Immunohistochemistry analysis of paraffin-embedded human brain tissue using CaMK2- $\beta/\gamma/\delta$ (Phospho-Thr287) antibody.



P-peptide - +

Western blot analysis of extracts from rat brain cells, using CaMK2- $\beta/\gamma/\delta$ (Phospho-Thr287) antibody.

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