Anti- CaMKII (Phospho-Thr305) Polyclonal Antibody

Catalog No.	Size
A100005-01	50 µl
A100005-02	100 µl

Specificity	Anti- CaMKII (Phospho-Thr305) (human Mouse Rat)
Source	Rabbit Polyclonal
Application	WB ELISA IHC
Form	Liquid, 1 mg/ml

Specificity and Sensitivity

Swiss-Prot No.: Q9UQM7

Other Names: CAMK2A, CaM-kinase II alpha chain, CaMK-II alpha subunit, CaMKII-alpha, Calcium/calmodulin-dependent protein kinase type II alpha chain, EC 2.7.11.17, KCC2A, kinase CaMK2-alpha

Specificity and Sensitivity

CaMKII (Phospho-Thr305) antibody detects endogenous levels of CaMKII only when phosphorylated at threonine 305.

Source and Purification

The antiserum was produced against synthesized phosphopeptide derived from human CaMKII around the phosphorylation site of threonine 305 (I-L-T^{P}-T-M).

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Application Notes

Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows:

WB: 1:500~1:1000 IHC: 1:50~1:100

ELISA: 1:5000

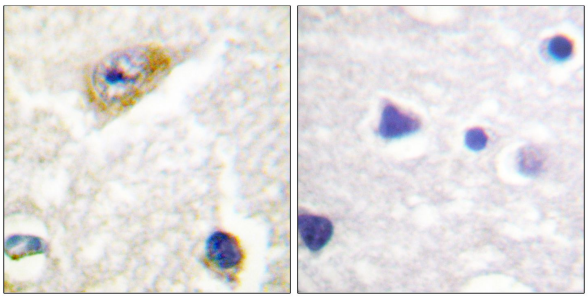
Storage Buffer

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

Storage Instructions

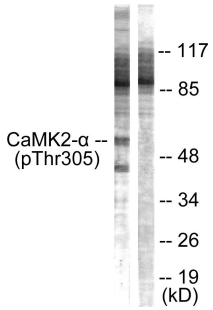
Stable for 1 year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing. Aliquot will be stable at 4°C for 3 months.

Images



P-peptide - +

Immunohistochemical analysis of paraffin-embedded human brain tissue using CaMKII (Phospho-Thr305) Antibody.



Peptide - +

Western blot analysis of extracts from NIH/3T3 cells, using CaMKII (Phospho-Thr305) Antibody.

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