



Calmodulin (Phospho-Thr79+Ser81) Antibody

E11-0829A

Catalog Number: E11-0829A

Concentration: 1mg/ml

Swiss-Prot No.: P62158

Other Names: CALM, CALM1, CALM2, CALM3, CAM, CAM1, CAM2, CAM3, CAMB, CAMC

All Sites: Human: Thr79+Ser81; Mouse: Thr79+Ser81; Rat: Thr79+Ser81

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 Calmodulin around the phosphorylation site of threonine 79 and serine 81 (K-D-T^P-D-S^P-E-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: Calmodulin (Phospho-Thr79+Ser81) antibody detects endogenous levels of Calmodulin only when phosphorylated at threonine 79 and serine 81.

Reactivity: Human, Mouse, Rat

Applications: WB: 1:500~1:1000 IHC: 1:50~1:100
IF: 1:100~1:500 ELISA: 1:5000

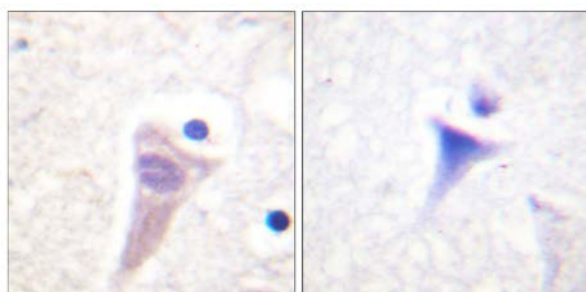
References:

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Whaseon Lee-Kwon, Am J Physiol Renal Physiol, Jan 2007; 292: F404 - F414.

Roy A. Johanson, J. Neurosci., Apr 2000; 20: 2860.

Ji Young Choi, J. Biol. Chem., Jun 2002; 277: 21630 - 21638.

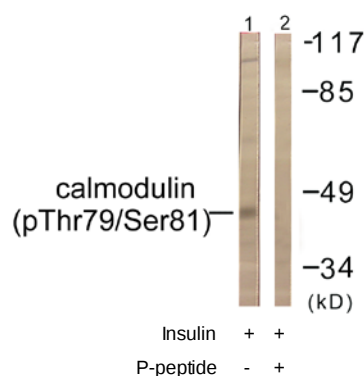


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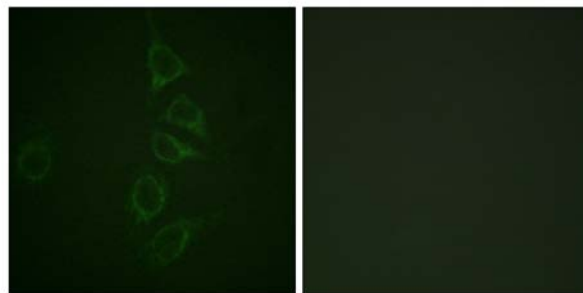
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Immunohistochemistry analysis of paraffin-embedded human brain tissue using Calmodulin (Phospho-Thr79+Ser81) antibody.



Western blot analysis of extracts from Jurkat cells, treated with Insulin (0.01U/ml, 15mins), using Calmodulin (Phospho-Thr79+Ser81) antibody.

For Research Use Only



P-peptide

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Immunofluorescence analysis of HepG2 cells, using
Calmodulin (Phospho-Thr79+Ser81) antibody.