

Phospho-Calmodulin (Thr79+Ser81) Ab

Cat.#: AF3353 Concn.: 1mg/ml Mol.Wt.: kDa

Size: 100ul,200ul Source: Rabbit Clonality: Polyclonal

Application: WB 1:500-1:2000 IHC 1:50-1:200 IF/ICC 1:100-1:500

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-Calmodulin (Thr79+Ser81) Ab detects endogenous

levels of Calmodulin only when phosphorylated at Threonine

79+Serine 81.

Immunogen: A synthesized peptide derived from human Calmodulin

around the phosphorylation site of Threonine 79+Serine 81.

Uniprot: P0DP25

Description: Calmodulin is the archetype of the family of calcium-

modulated proteins of which nearly 20 members have been found. They are identified by their occurrence in the cytosol or on membranes facing the cytosol and by a high affinity

for calcium.

Subcellular Location: Cytoskeleton;

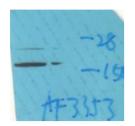
Similarity: Belongs to the calmodulin family.

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 Calmodulin phosphorylation expression in HeLa whole cell lysates, The lane on the left is treated with the antigen-specific peptide.



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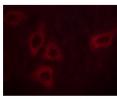
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AF3353 at 1/100 staining Human prostate tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the Ab for 1.5 hours at 22° C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.



AF3353 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 38° C



AF3353 staining HepG2 cells by ICC/IF. Cells were fixed with PFA and permeabilized in 0.1% saponin prior to blocking in 10% serum for 45 minutes at 37°C. The primary Ab was diluted 1/400 and incubated with the sample for 1 hour at 37°C. A Alexa Fluor 594 conjugated goat polyclonal to rabbit IgG (H+L), diluted 1/600 was used as secondary Ab.

<code>IMPORTANT:</code> 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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