

Rabbit Calmodulin Polyclonal Antibody | anti-CALM1 antibody

Anti-Calmodulin (pT80/S82) Phospho Antibody

CATALOG # AAA259887	HOST Rabbit	REACTIVITY Human, Mouse, Rat, Bovine, Chicken, Rabbit, Sheep, Zebrafish	APPLICATIONS Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

Calmodulin; Polyclonal Antibody; Anti-Calmodulin (pT80/S82) Phospho Antibody; CALM; CAM; CAM1; CAM2; CAMB; CALML2; CAM3; CAMC; CAMIII; CaM; anti-CALM1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat, Bovine, Chicken, Rabbit, Sheep, Zebrafish
Clonality	Polyclonal
Specificity	Recognizes endogenous levels of Calmodulin (pT80/S82) protein.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Sequence Length	149
Applicable Applications for anti-CALM1 antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Calmodulin. The exact sequence is proprietary.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



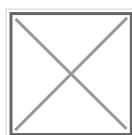
IF (Immunofluorescence)

Immunofluorescent analysis of Calmodulin (pT80/S82) staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



IHC (Immunohistochemistry)

Immunohistochemical analysis of Calmodulin (pT80/S82) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



WB (Western Blot)

Western blot analysis of Calmodulin (pT80/S82) expression in MCF7 TNF-treated (A), NIH3T3 TNF-treated (B) whole cell lysates.

ADDITIONAL INFORMATION

Related Product Information for anti-CALM1 antibody	Rabbit polyclonal antibody to Calmodulin (pT80/S82)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	779176942
NCBI GeneID	805
NCBI Accession #	NP_001292553.1
NCBI GenBank Nucleotide #	NM_001305624.1
UniProt Accession #	P62158; P02593; P70667; P99014; Q13942; Q53S29; Q61379; Q61380; Q96HK3
Molecular Weight	16,838 Da
NCBI Official Full Name	calmodulin isoform 1
NCBI Official Synonym Full Names	calmodulin 2 (phosphorylase kinase, delta)
NCBI Official Symbol	CALM2
NCBI Official Synonym Symbols	caM; PHKD; CAMII; LQT15; PHKD2
NCBI Protein Information	calmodulin
UniProt Protein Name	Calmodulin
UniProt Gene Name	CALM1
UniProt Synonym Gene Names	CALM; CAM; CAM1; CaM
UniProt Entry Name	CALM_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/calmodulin-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/259887>