

Rabbit Calmodulin Polyclonal Antibody | anti-CALM2 antibody

Rabbit anti-Calmodulin (pT80/S82) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA223863	Rabbit	Human, Mouse, Rat, Bovine, Chicken, Rabbit, Sheep, Zebrafish	Immunofluorescence, Immunohistochemistry, Western Blot

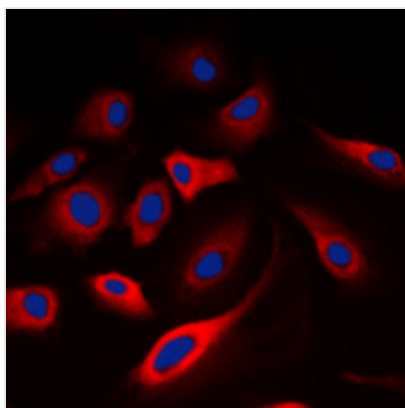
PRODUCT SYNONYMS

Calmodulin; Polyclonal Antibody; Rabbit anti-Calmodulin (pT80/S82) Antibody; CALM; CAM; CAM1; CAM2; CAMB; CALML2; CAM3; CAMC; CAMIII; CaM; anti-CALM2 antibody

PRODUCT SPECIFICATIONS

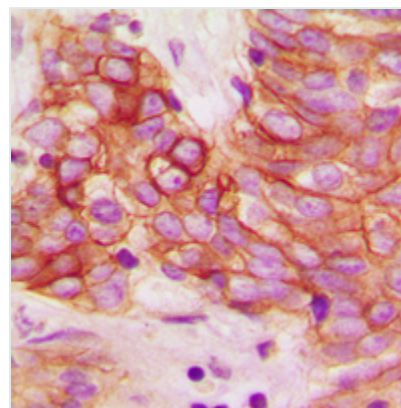
Host	Rabbit
Reactivity	Human, Mouse, Rat, Bovine, Chicken, Rabbit, Sheep, Zebrafish
Clonality	Polyclonal
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-CALM2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Calmodulin (pT80/S82). The exact sequence is proprietary.
Preparation and Storage	Store at -20 degree C. Avoid repeated freeze/thaw cycles.

IMAGES



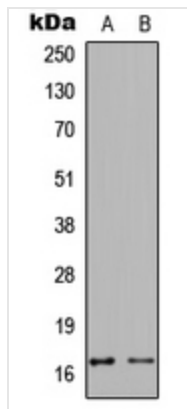
IF (Immunofluorescence)

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

Product Categories/Family for anti-CALM2 antibody	Primary antibodies
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502549
NCBI GeneID	805
NCBI Accession #	NP_001734.1
NCBI GenBank Nucleotide #	NM_001743.4
UniProt Accession #	P62158; P62204; P62161
Molecular Weight	16,838 Da
NCBI Official Full Name	calmodulin
NCBI Official Synonym Full Names	calmodulin 2 (phosphorylase kinase, delta)
NCBI Official Symbol	CALM2
NCBI Official Synonym Symbols	PHKD; CAMII; PHKD2
NCBI Protein Information	calmodulin; caM; LP7057 protein; prepro-calmodulin 2; phosphorylase kinase delta
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.