

Mouse anti-Human Calmodulin Monoclonal Antibody | anti-CALM2 antibody

Calmodulin antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48021	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

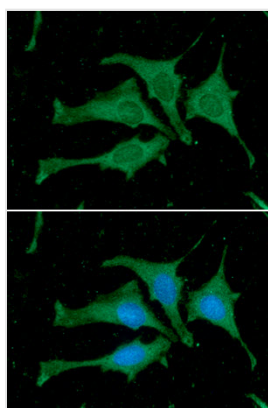
PRODUCT SYNONYMS

Calmodulin; Monoclonal Antibody; Calmodulin antibody; PHKD; CAMII; PHKD2; Calmodulin 2; CALM 2; Calmodulin2; CAM II; LP7057 protein; PHKD 2; Phosphorylase kinase delta; Calmodulin-2; CALM2; anti-CALM2 antibody

PRODUCT SPECIFICATIONS

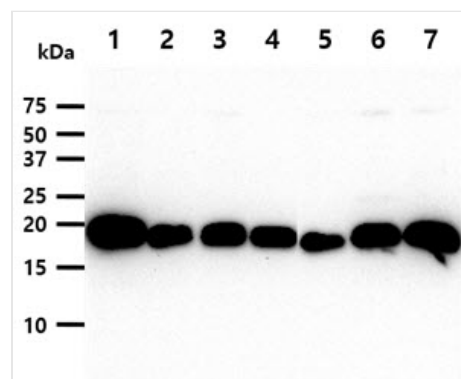
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a, k
Clone Number	J4D8
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	149
Applicable Applications for anti-CALM2 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Immunogen	Recombinant human Calmodulin (1-149aa) purified from E. coli
Preparation and Storage	For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of Calmodulin in HeLa cells. The cell was stained with ACA0830 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).



WB (Western Blot)

The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human Calmodulin antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: NIH3T3 cell lysate Lane 2.: HeLa cell lysate Lane 3.: Jurkat cell lysate Lane 4.: A549 cell lysate Lane 5.: MCF7 cell lysate Lane 6.: Ramos cell lysate Lane 7.: PC3 cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-CALM2 antibody	Calmodulin has been known to act as an intracellular calcium sensor protein. When the intracellular Ca2+ concentration increases, calmodulin can bind up to four Ca2+, changing its conformation and regulating cellular functions such as activation or inhibition of a large number of enzymes, ion channels, and receptors.
Product Categories/Family for anti-CALM2 antibody	Signal Transduction
References	Zhang M., et al. (1998). Biochem Cell Biol. 76 (2-3):313-23; James.P., et al. (1995). Trend Biochem Sci. 20: 38-42

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502549
NCBI GeneID	805
NCBI Accession #	NP_001734
NCBI GenBank Nucleotide #	NM_001743.5
UniProt Accession #	P0DP24; P02593; P62158; P70667; P99014; Q13942; Q53S29; Q61379; Q61380; Q96HK3
NCBI Official Full Name	calmodulin-2 isoform 2
NCBI Official Synonym Full Names	calmodulin 2
NCBI Official Symbol	CALM2
NCBI Official Synonym Symbols	caM; PHKD; CAMII; LQT15; PHKD2
NCBI Protein Information	calmodulin-2
UniProt Protein Name	Calmodulin-2
UniProt Gene Name	CALM2

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/calmodulin-antibody-clone-j4d8-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/48021>