

Datasheet for ABIN1531529

**anti-Calmodulin 1 antibody (pThr79)****3** Images**1** Publication[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	Calmodulin 1 (Calm1)
Binding Specificity:	AA 46-95, pThr79
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Calmodulin 1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

## Product Details

Immunogen:	The antiserum was produced against synthesized peptide derived from human Calmodulin around the phosphorylation site of Thr79 and Ser81.
Isotype:	IgG
Specificity:	Calmodulin (Phospho-Thr79+Ser81) Antibody detects endogenous levels of Calmodulin only when phosphorylated at Thr79 and Ser81. PhosphorylationH:T79+S81 M:T79+S81 R:T79+S81
Purification:	The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide.
Purity:	> 95 %

## Target Details

Target:	Calmodulin 1 (Calm1)
Alternative Name:	Calmodulin ( <a href="#">Calm1 Products</a> )
Background:	Synonyms: CALM, CALM1, CALM2, CALM3, CAM, CAM1, CAM2, CAM3, CAMB, CAMC NCBI Gene Symbol: CALM1
Molecular Weight:	16 kDa
Gene ID:	801, 805, 808
OMIM:	114180
UniProt:	<a href="#">P62158</a>
Pathways:	<a href="#">cAMP Metabolic Process</a> , <a href="#">Myometrial Relaxation and Contraction</a> , <a href="#">G-protein mediated Events</a> , <a href="#">Interaction of EGFR with phospholipase C-gamma</a> , <a href="#">Phototransduction</a> , <a href="#">BCR Signaling</a>

## Application Details

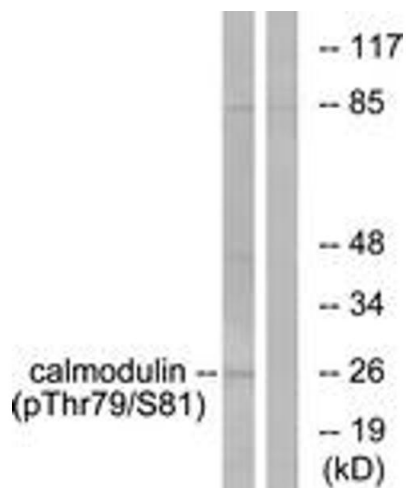
Application Notes:	WB: 1:500~1:1000 IHC: 1:50~1:100 IF: 1:100~1:500 ELISA: 1:5000
Comment:	Unigene-Number: Hs.282410, Hs.515487, Hs.643483, Hs.706125, Hs.708270, Hs.713288 (NCBI Gene Symbol: CALM1)
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Stable at -20°C for at least 1 year.
Expiry Date:	12 months

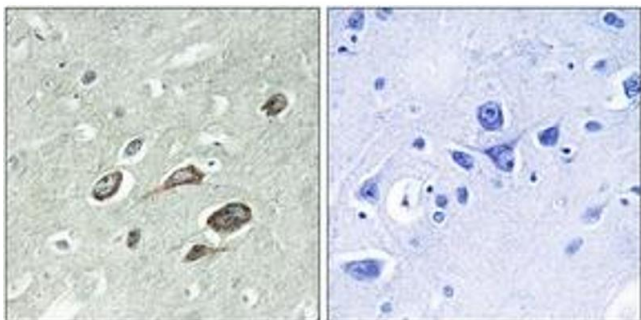
Product cited in: Yokokura, Yurimoto, Matsuoka, Imataki, Dobashi, Bandoh, Matsunaga: "Calmodulin antagonists induce cell cycle arrest and apoptosis in vitro and inhibit tumor growth in vivo in human multiple myeloma." in: **BMC cancer**, Vol. 14, pp. 882, (2014) ([PubMed](#)).

Images



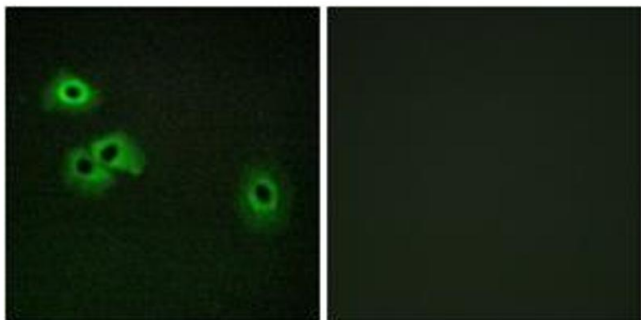
Western Blotting

**Image 1.** Western blot analysis of extracts from Jurkat cells treated with Insulin 0.01U/ml 15', using Calmodulin (Phospho-Thr79+Ser81) Antibody. The lane on the right is treated with the synthesized peptide.



Immunohistochemistry

**Image 2.** Immunohistochemistry analysis of paraffin-embedded human brain, using Calmodulin (Phospho-Thr79+Ser81) Antibody. The picture on the right is treated with the synthesized peptide.



Immunofluorescence

**Image 3.** Immunofluorescence analysis of HepG2 cells, using Calmodulin (Phospho-Thr79+Ser81) Antibody. The picture on the right is treated with the synthesized peptide.