

Datasheet for ABIN7429226

anti-Calmodulin 1 antibody (AA 2-149)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Calmodulin 1 (Calm1)
Binding Specificity:	AA 2-149
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Calmodulin 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Polyclonal Antibody to Calmodulin (CAM)
Immunogen:	Recombinant Calmodulin (CAM) corresponding to Ala2~Lys149 with N-terminal His Tag
Isotype:	IgG
Specificity:	The antibody is a rabbit polyclonal antibody raised against CAM. It has been selected for its ability to recognize CAM in immunohistochemical staining and western blotting.
Cross-Reactivity:	Mouse, Rat
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Target Details

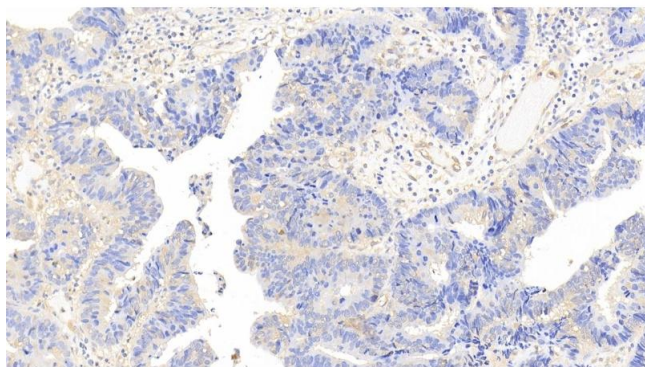
Target:	Calmodulin 1 (Calm1)
Alternative Name:	Calmodulin (Calm1 Products)
Background:	CALcium MODULated ProteIN
Pathways:	cAMP Metabolic Process , Myometrial Relaxation and Contraction , G-protein mediated Events , Interaction of EGFR with phospholipase C-gamma , Phototransduction , BCR Signaling

Application Details

Application Notes:	Western blotting: 0.5-2 µg/mL 1:140-550 Immunohistochemistry: 5-20 µg/mL 1:14-55 Immunocytochemistry: 5-20 µg/mL 1:14-55 Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

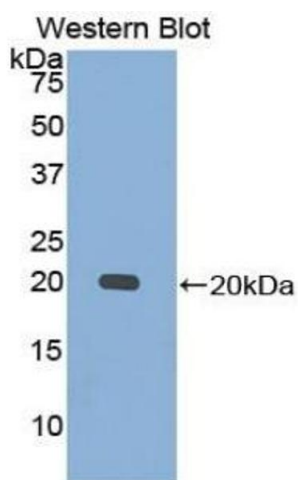
Handling

Format:	Liquid
Buffer:	0.01M PBS, pH 7.4, containing 0.05 % Proclin-300, 50 % glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



Immunohistochemistry

Image 1. Detection of CAM in Human Colorectal cancer Tissue using Polyclonal Antibody to Calmodulin (CAM)



Western Blotting

Image 2. Detection of Recombinant CAM, Human using Polyclonal Antibody to Calmodulin (CAM)