Datasheet for ABIN7213918

anti-Calmodulin 1 antibody

2 Images

Go to Product page

Overview

Quantity:	100 µL
Target:	Calmodulin 1 (Calm1)
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Calmodulin 1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Calmodulin Polyclonal Antibody
Immunogen:	Synthesized peptide derived from human Calmodulin around the non-phosphorylation site of T80/S82
Isotype:	IgG
Specificity:	Calmodulin Polyclonal Antibody detects endogenous levels of Calmodulin protein.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen

Target Details

Target:	Calmodulin 1 (Calm1)
Alternative Name:	Calmodulin (Calm1 Products)

Target Details

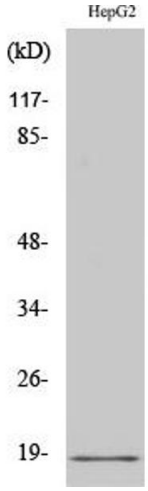
Background:	Rabbit Anti-Calmodulin Polyclonal Antibody,CALM1, CALM, CAM, CAM1, CALM2, CAM2, CAMB, CALM3, CALML2, CAM3, CAMC, CAMIII, Calmodulin, CaM,CALM1 encodes a member (calmodulin 1) of the EF-hand calcium-binding protein family. It is one of three genes which encode an identical calcium binding protein which is one of the four subunits of phosphorylase kinase. Two pseudogenes have been identified on chromosome 7 and X. Multiple transcript variants encoding different isoforms have been found for CALM1.,Calmodulin
Gene ID:	801, 805, 808
UniProt:	P62158
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:	Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), IHC-P (1:100-1:300), IF (1:200-1:1000), ELISA (1:10000). Not yet tested in other applications.
Comment:	Primary Antibody
Restrictions:	For Research Use only

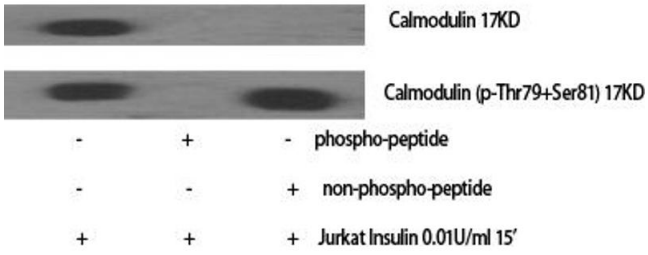
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS containing 50 % Glycerol, 0.5 % BSA and 0.02 % Sodium Azide.
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 for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.



Western Blotting

Image 1. Western Blot analysis of HuvEc cells using Calmodulin Polyclonal Antibody diluted at 1:2000.



Western Blotting

Image 2. Western Blot analysis of various cells using Calmodulin Polyclonal Antibody diluted at 1:2000.