


Product datasheet

Anti-Calcineurin A antibody ab71149

★★★★★ [1 Abreviews](#) [7 References](#) [3 Images](#)

Overview

Product name	Anti-Calcineurin A antibody
Description	Rabbit polyclonal to Calcineurin A
Host species	Rabbit
Tested applications	Suitable for: WB, IP, IHC-P
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat, Horse, Chicken, Cow, Dog, Turkey, Pig, Chimpanzee, Rhesus monkey, Gorilla, Orangutan, Xenopus tropicalis 
Immunogen	A synthetic peptide corresponding to a region between residue 470 and the C-terminus (residue 521) of human Calcineurin A (NP_000935.1).
Positive control	Whole cell lysate from hela cells, NIH3T3 cells and 293T cells.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7 Preservative: 0.09% Sodium azide Constituents: 1.815% Tris, 1.764% Sodium citrate, 0.021% PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab71149 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (1)	1/2000 - 1/10000. Detects a band of approximately 59 kDa (predicted molecular weight: 59 kDa).
IP		Use at 2-5 µg/mg of lysate.
IHC-P		1/500 - 1/2000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Target

Function

Calcium-dependent, calmodulin-stimulated protein phosphatase. This subunit may have a role in the calmodulin activation of calcineurin. Dephosphorylates DNMT1, HSPB1 and SSH1.

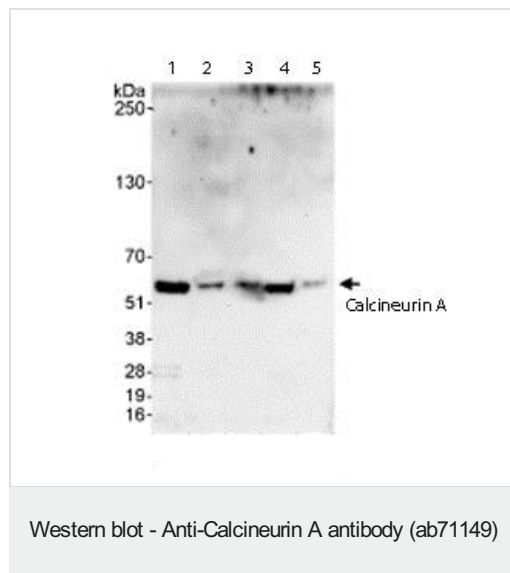
Sequence similarities

Belongs to the PPP phosphatase family, PP-2B subfamily.

Cellular localization

Nucleus. Colocalizes with ACTN1 and MYOZ2 at the Z line in heart and skeletal muscle.

Images



All lanes : Anti-Calcineurin A antibody (ab71149) at 0.1 µg/ml

Lane 1 : Whole cell lysate from HeLa cells at 50 µg

Lane 2 : Whole cell lysate from HeLa cells at 15 µg

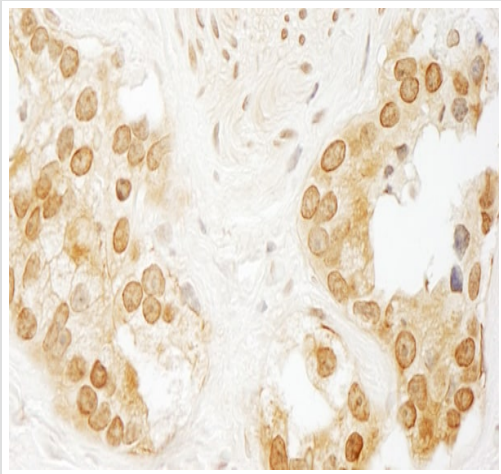
Lane 3 : Whole cell lysate from HeLa cells at 5 µg

Lane 4 : Whole cell lysate from 293T cells at 50 µg

Lane 5 : Whole cell lysate from NIH 3T3 cells at 50 µg

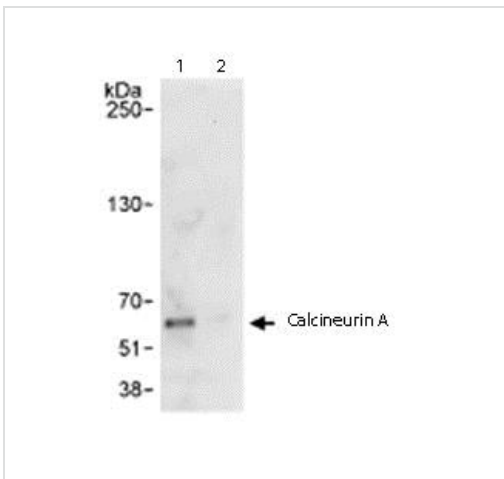
Predicted band size: 59 kDa

Observed band size: 59 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human prostate carcinoma tissue labelling Calcineurin A with ab71149 at 1/1000 (1µg/ml). Detection: DAB.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Calcineurin A antibody (ab71149)



Immunoprecipitation/ Western Blot of Calcineurin A

Lane 1: ab71149 at 3µg/mg whole cell lysate.

Lane 2: Control IgG.

Whole cell lysate from Hela cells at 1mg for IP, 20% of IP loaded.

Subsequent WB detection was performed with 1 µg/ml ab71149.

Chemiluminescence with an exposure time of 30 seconds.

Immunoprecipitation - Anti-Calcineurin A antibody (ab71149)

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