

Product datasheet

Anti-Calcineurin A antibody ab3673

★★★★☆ 4 Abreviews 7 References 5 Images

Overview

Product name	Anti-Calcineurin A antibody
Description	Rabbit polyclonal to Calcineurin A
Host species	Rabbit
Tested applications	Suitable for: IP, WB, ICC/IF
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Full length Calcineurin A fusion expressed in E. coli.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.01% Sodium azide
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab3673** 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
IP	★★★★☆	Use at an assay dependent dilution.
WB	★★★★★	1/2000 - 1/5000. Detects a band of approximately 62 kDa.
ICC/IF	★★★★☆	1/500.

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



Western blot - Anti-Calcineurin A antibody (ab3673)

All lanes : Anti-Calcineurin A antibody (ab3673) at 1/200 dilution

Lane 1 : Brain (Mouse) Tissue Lysate

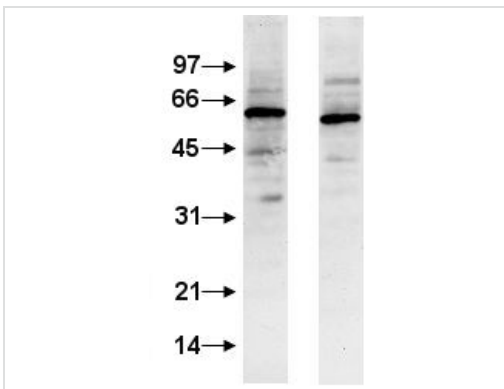
Lane 2 : Brain (Rat) Tissue Lysate

Lysates/proteins at 10 µg per lane.

Secondary

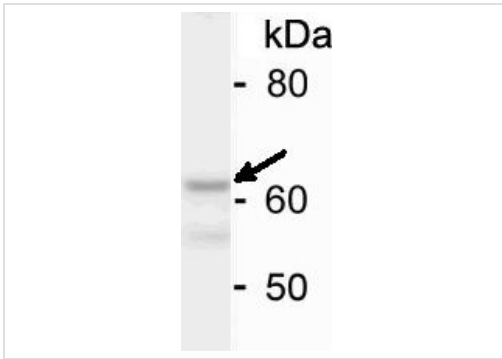
All lanes : Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Observed band size: 62 kDa



Western blot - Anti-Calcineurin A antibody (ab3673)

Western Blot of wild type mouse brain homogenate with ab3673 used at 1/6000. Please note that this image was assembled from two different blots. (The numbers on the scale correspond to kD).



Western blot - Anti-Calcineurin A antibody (ab3673)
 This image is a courtesy of Anonymous Abreview

Anti-Calcineurin A antibody (ab3673) at 1/1000 dilution + Lysate prepared from human HUH-7 cells at 15000 cells

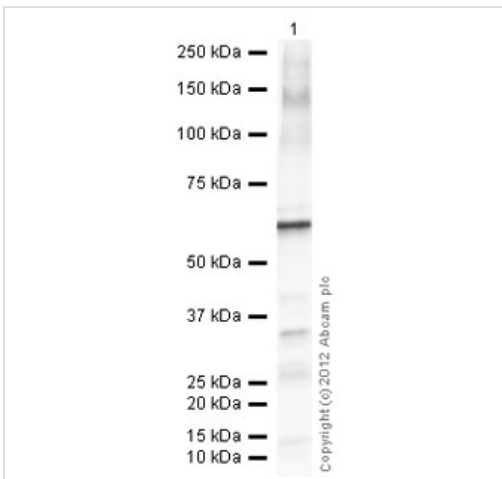
Secondary

HRP conjugated sheep polyclonal to rabbit IgG at 1/15000 dilution

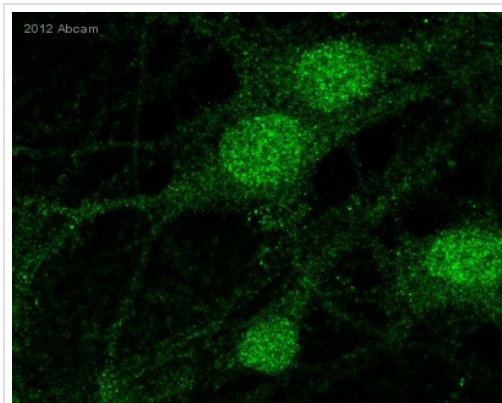
Performed under reducing conditions.

Observed band size: 62 kDa

Exposure time: 1 minute



Western blot - Anti-Calcineurin A antibody (ab3673)



Immunocytochemistry/ Immunofluorescence - Anti-Calcineurin A antibody (ab3673)

This image is courtesy of an Abreview submitted by Dr Matthew Grubb

Immunofluorescence analysis of rat dissociated hippocampal cells, staining Calcineurin A with ab3673.

Cells were fixed with paraformaldehyde, permeabilized with 0.25% Triton X-100 and blocked with 10% normal goat serum for 1 hour at 23°C. Samples were incubated with primary antibody (1/500 in 2% normal goat serum) for 1 hour at 23°C. An AlexaFluor®488-conjugated goat anti-rabbit polyclonal IgG (1/1000) was used as the secondary antibody.

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors