Datasheet for ABIN1574040

anti-Calcineurin A antibody (N-Term)

1 Image

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Overview

Quantity:	40 µg
Target:	Calcineurin A (CAN)
Binding Specificity:	N-Term
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Synthetic peptide (KLH-coupled) within the N-terminal of human calcineurin A protein .
Isotype:	IgG
Specificity:	Rabbit Anti-Calcineurin A Polyclonal Antibody detects endogenous levels of calcineurin A protein. Sequence homology predicts that it will also react with rat calcineurin A.
Cross-Reactivity (Details):	Rabbit Anti-Calcineurin A Polyclonal Antibody detects endogenous levels of calcineurin A protein. Sequence homology predicts that it will also react with rat calcineurin A.
Purification:	Immunoaffinity chromatography

Target Details

Target:	Calcineurin A (CAN)
Alternative Name:	Calcineurin A (CAN Products)

Target Details

Background:	Calcineurin is a heterodimer protein that binds to Ca2+. A Ca2+/calmodulin-regulated protein phosphatase, it is composed of a 19 kD calcineurin B (CnB) and a 61 kD calmodulin-binding catalytic subunit, calcineurin A (CnA). Calcineurin A was first detected in skeletal muscle and brain tissues, but it has since been found in all cell types, from yeast to mammalian. Calcineurin A may be responsible for the calmodulin activation property of calcineurin. There is evidence suggesting that alternative splicing could give rise to different forms of calcineurin A.Rabbit Anti-Calcineurin A Polyclonal Antibody is developed in rabbit hosts using a KLH-coupled synthetic peptide within N-terminal of human calcineurin A protein (Swiss Prot: Q08209).

Application Details

Application Notes:	Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product. ELISA: 0.05-0.2 µg/mL Western blot: 0.5-1 µg/mL Other applications: user-optimized
Restrictions:	For Research Use only

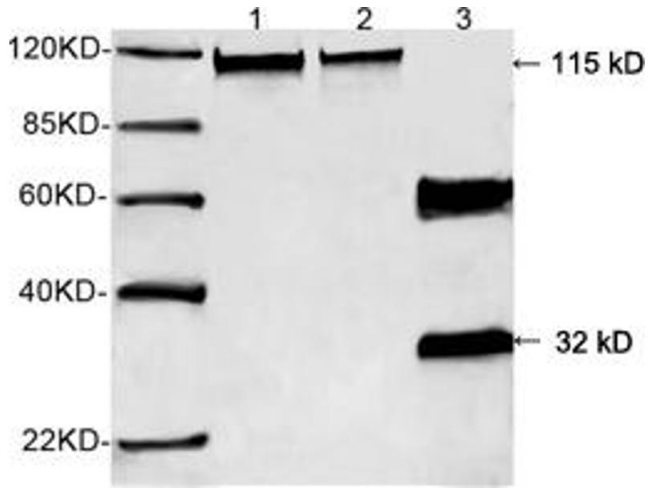
Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4, containing 0.02 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	WARNING: Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.
Storage:	4 °C/-20 °C

Handling

Storage Comment:	The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

Images



Western Blotting

Image 1. Western blot analysis of recombinant human Calcineurin A protein and mouse brain tissue lysate using 0.5 µg/mL Rabbit Anti-Calcineurin A Polyclonal Antibody (ABIN398735) Lane 1: 0.5 - cell lysate recombinant human Calcineurin ALane 2: 0.1 - cell lysate recombinant human Calcineurin ALane 3: mouse brain tissue lysateThe signal was developed with IRDyeTM 800 Conjugated Goat Anti-Rabbit IgG