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Datasheet for ABIN6657479
anti-Calcineurin alpha antibody

Overview

Quantity:	100 µg
Target:	Calcineurin alpha
Reactivity:	Human, Rat, Cow
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Calcineurin alpha antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Immunogen: Calcineurin alpha antibody was produced in mice by repeated immunizations with bovine brain calcineurin. Immunogen Type: Other
Clone:	CC-6
Isotype:	IgG1
Cross-Reactivity:	Cow (Bovine), Human, Rat (Rattus)
Cross-Reactivity (Details):	Cross reactivity with Calcineurin alpha from other sources has not been determined.
Purification:	Anti-Calcineurin alpha antibody was purified from mouse ascites by protein A chromatography. This product reacts with human, rat, and bovine.

Target Details

Target:	Calcineurin alpha
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Target Details

Abstract:	Calcineurin alpha Products
Background:	<p>Synonyms: CNA2, CNB, CNB1, CALNB1, Protein phosphatase 2B regulatory subunit 1, Protein phosphatase 3 regulatory subunit B alpha isoform 1</p> <p>Background: Calcineurin, the Ca(2+)/calmodulin-regulated protein phosphatase, first detected in skeletal muscle and brain, has been found in all cells from yeast to mammals. Calcineurin A alpha (PPP3CA), is located on human chromosomes 4, Chromosomal mapping of the human genes for the calmodulin-dependent protein phosphatase (calcineurin) catalytic subunit.</p> <p>Calcineurin regulates bone formation by the osteoblast. This antibody is suitable for researchers interested in apoptosis, transcription factors, nuclear receptors, cancer research, Immune Response, cardiovascular disease, MAK Kinase Signaling, and AKT Signaling.</p> <p>Gene Name: PPP3R1</p>
Gene ID:	5534
NCBI Accession:	NP_000936
UniProt:	P63098

Application Details

Application Notes:	<p>Immunohistochemistry Dilution: 1:100-1:500</p> <p>Application Note: Anti-Calcineurin alpha is useful for Immunohistochemistry -P and Western Blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~19.3 kDa corresponding to the appropriate cell lysate or extract.</p> <p>ELISA Dilution: 1:5000</p> <p>Western Blot Dilution: 0.25-0.5 µg/mL</p>
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	<p>Buffer: 1.2 % sodium acetate</p> <p>Stabilizer: 2 mg BSA</p> <p>0.01 % (w/v) Sodium Azide</p>
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: RT,4 °C,-20 °C

Storage Comment: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.