

Datasheet for ABIN390766
anti-CNN1 antibody (N-Term)

4 Images

1 Publication

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Overview

Quantity:	400 µL
Target:	CNN1
Binding Specificity:	AA 10-39, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CNN1 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This Calponin-1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 10-39 amino acids from the N-terminal region of human Calponin-1.
Clone:	RB19472
Isotype:	Ig Fraction
Predicted Reactivity:	B, M, Rat, Sh
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	CNN1
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Target Details

Alternative Name:	Calponin-1 (CNN1 Products)
Background:	Thin filament-associated protein that is implicated in the regulation and modulation of smooth muscle contraction. It is capable of binding to actin, calmodulin, troponin C and tropomyosin. The interaction of calponin with actin inhibits the actomyosin Mg-ATPase activity (By similarity).
Molecular Weight:	33170
Gene ID:	1264
NCBI Accession:	NP_001290
UniProt:	P51911

Application Details

Application Notes:	WB: 1:1000. WB: 1:1000. IHC-P: 1:10~50. FC: 1:10~50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

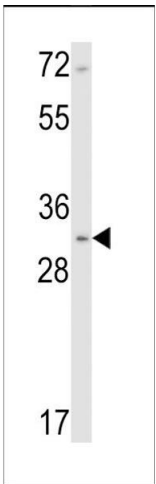
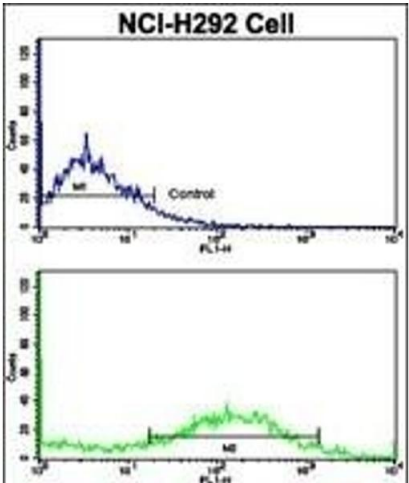
Publications

Product cited in:	Murakami, Ito, Hagiwara, Yoshida, Sobue, Ichihara, Takagi, Kojima, Tanaka, Tamiya-Koizumi, Kyogashima, Suzuki, Banno, Nozawa, Murate: "ATRA inhibits ceramide kinase transcription in a human neuroblastoma cell line, SH-SY5Y cells: the role of COUP-TFI." in: Journal of neurochemistry , Vol. 112, Issue 2, pp. 511-20, (2010) (PubMed).
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Yang, Gagarin, St Laurent, Hammell, Toma, Hu, Iwasa, McCaffrey: "Cardiovascular inflammation and lesion cell apoptosis: a novel connection via the interferon-inducible immunoproteasome." in: **Arteriosclerosis, thrombosis, and vascular biology**, Vol. 29, Issue 8, pp. 1213-9, (2009) ([PubMed](#)).

Hinkovska-Galcheva, Clark, VanWay, Huang, Hiraoka, Abe, Borofsky, Kunkel, Shanley, Shayman, Lanni, Petty, Boxer: "Ceramide kinase promotes Ca²⁺ signaling near IgG-opsonized targets and enhances phagolysosomal fusion in COS-1 cells." in: **Journal of lipid research**, Vol. 49, Issue 3, pp. 531-42, (2008) ([PubMed](#)).

Images

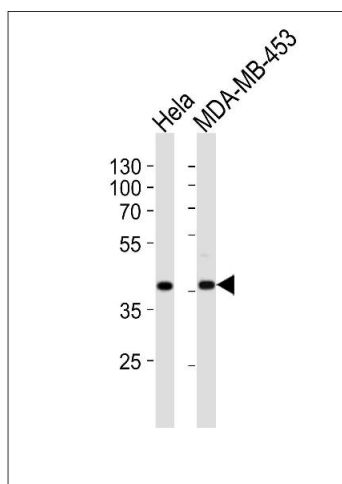


Flow Cytometry

Image 1. Flow cytometric analysis of NCI- cells using Calponin-1 Antibody (N-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. Western blot analysis of Calponin-1 Antibody (N-term) (ABIN390766 and ABIN2841024) in NCI- cell line lysates (35 µg/lane). CNN1 (arrow) was detected using the purified Pab.



Western Blotting

Image 3. Western blot analysis of lysates from HeLa, MDA-MB-453 cell line (from left to right), using Calponin-1 Antibody (N-term) (ABIN390766 and ABIN2841024). (ABIN390766 and ABIN2841024) was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20 µg per lane.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN390766.