

Datasheet for ABIN3042359
anti-Menin antibody (AA 301-615)



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2 Images

Overview

Quantity:	100 µg
Target:	Menin (MEN1)
Binding Specificity:	AA 301-615
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Menin antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Anti-Menin/MEN1 Antibody Picoband®
Immunogen:	E.coli-derived human Menin recombinant protein (Position: P301-L615). Human Menin shares 93% and 94% amino acid (aa) sequence identity with mouse and rat Menin, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-Menin/MEN1 Antibody Picoband® (ABIN3042359). Tested in WB applications. This antibody reacts with Human, Mouse. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	Menin (MEN1)
Alternative Name:	MEN1 (MEN1 Products)
Background:	<p>Synonyms: Menin,MEN1,SCG2,</p> <p>Tissue Specificity: Ubiquitous.</p> <p>Background: The MEN1 gene encodes menin, a nuclear scaffold protein that regulates gene transcription by coordinating chromatin remodeling. It is mapped to 11q13.1. MEN1 is considered to act as a tumor suppressor gene. It has been found that that MEN1 inactivation by antisense RNA antagonizes transforming growth factor-beta-mediated cell growth inhibition. Overexpression of MEN1 in an inducible cell culture system downregulated the proximal promoter. In vitro studies have shown that MEN1 is localized to the nucleus, possesses two functional nuclear localization signals, and inhibits transcriptional activation by JunD. What's more, MEN1 was essential to maintain MLL-associated myeloid transformation.</p>
Molecular Weight:	68 kDa
Gene ID:	4221
UniProt:	O00255
Pathways:	Chromatin Binding , Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	<p>Western blot, 0.1-0.5 µg/mL, Human, Mouse</p> <p>1. Canaff, L., Vanbellinghen, J.-F., Kaji, H., Goltzman, D., Hendy, G. N. Impaired transforming growth factor-beta (TGF-beta) transcriptional activity and cell proliferation control of a menin in-frame deletion mutant associated with multiple endocrine neoplasia type 1 (MEN1). J. Biol. Chem. 287: 8584-8597, 2012. 2. Kaji, H., Canaff, L., Lebrun, J.-J., Goltzman, D., Hendy, G. N. Inactivation of menin, a Smad3-interacting protein, blocks transforming growth factor type beta signaling. Proc. Nat. Acad. Sci. 98: 3837-3842, 2001. 3. Zablewska, B., Bylund, L., Mandic, S. A., Fromaget, M., Gaudray, P., Weber, G. Transcription regulation of the multiple endocrine neoplasia type 1 gene in human and mouse. J. Clin. Endocr. Metab. 88: 3845-3851, 2003.</p>
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

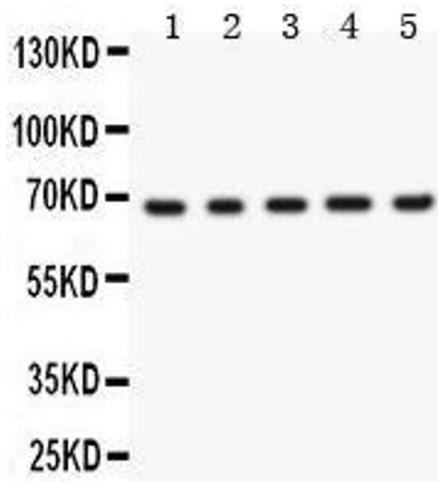
Handling

Format:	Lyophilized
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Handling

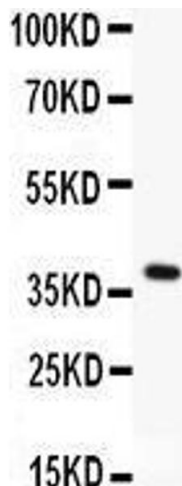
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.01 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.

Images



Western Blotting

Image 1. Anti- Menin Picoband antibody, Western blotting
All lanes: Anti Menin at 0.5ug/ml Lane 1: HELA Whole Cell Lysate at 40ug Lane 2: 293T Whole Cell Lysate at 40ug Lane 3: SMMC Whole Cell Lysate at 40ug Lane 4: HEPA Whole Cell Lysate at 40ug Lane 5: COLO320 Whole Cell Lysate at 40ug Predicted bind size: 68KD Observed bind size: 68KD



Western Blotting

Image 2. Anti- Menin Picoband antibody, Western blotting
All lanes: Anti Menin at 0.5ug/ml WB: Recombinant Human Menin Protein 0.5ng Predicted bind size: 39KD Observed bind size: 39KD