

**Anti-Menin Picoband Antibody**  
**Catalog # ABO11954****Specification**

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**Anti-Menin Picoband Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">O00255</a>
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Menin(MEN1) detection. Tested with WB in Human;Mouse.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-Menin Picoband Antibody - Additional Information**

**Gene ID** 4221

**Other Names**

Menin, MEN1, SCG2

**Calculated MW**

68023 MW KDa

**Application Details**

Western blot, 0.1-0.5 µg/ml, Human, Mouse<br>

**Subcellular Localization**

Nucleus . Concentrated in nuclear body-like structures. Relocates to the nuclear matrix upon gamma irradiation.

**Tissue Specificity**

Ubiquitous.

**Protein Name**

Menin

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Na<sub>3</sub>.

**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.

**Purification**

Immunogen affinity purified.

**Cross Reactivity**

No cross reactivity with other proteins

**Storage**

**At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.**

**Anti-Menin Picoband Antibody - Protein Information**

**Name** MEN1

**Synonyms** SCG2

**Function**

Essential component of a MLL/SET1 histone methyltransferase (HMT) complex, a complex that specifically methylates 'Lys-4' of histone H3 (H3K4). Functions as a transcriptional regulator. Binds to the TERT promoter and represses telomerase expression. Plays a role in TGFB1-mediated inhibition of cell-proliferation, possibly regulating SMAD3 transcriptional activity. Represses JUND-mediated transcriptional activation on AP1 sites, as well as that mediated by NFkB subunit RELA. Positively regulates HOXC8 and HOXC6 gene expression. May be involved in normal hematopoiesis through the activation of HOXA9 expression (By similarity). May be involved in DNA repair.

**Cellular Location**

Nucleus. Note=Concentrated in nuclear body-like structures. Relocates to the nuclear matrix upon gamma irradiation

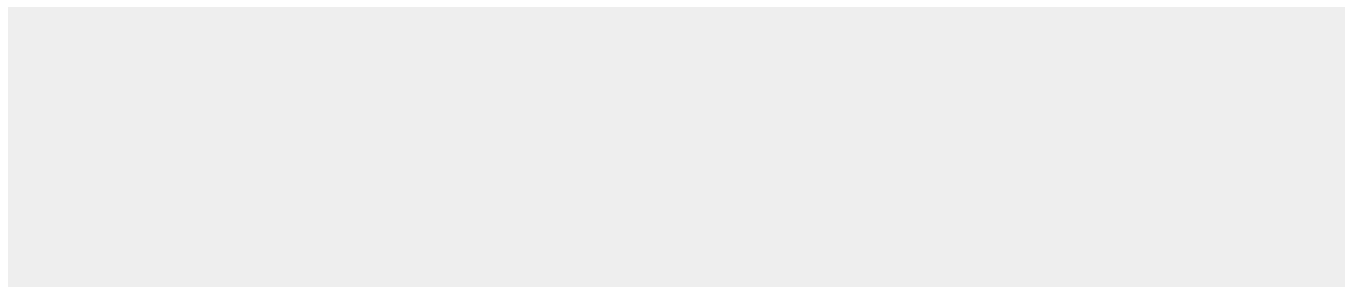
**Tissue Location**

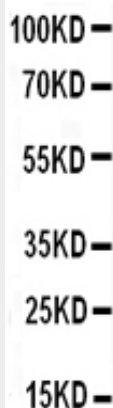
Ubiquitous.

**Anti-Menin Picoband Antibody - Protocols**

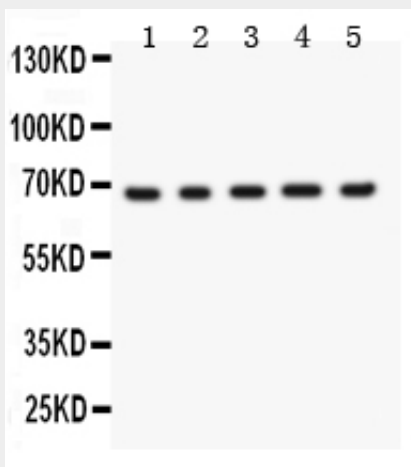
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-Menin Picoband Antibody - Images**



Anti- Menin Picoband antibody, ABO11954, Western blottingAll lanes: Anti Menin (ABO11954) at 0.5ug/mlWB: Recombinant Human Menin Protein 0.5ngPredicted bind size: 39KDObserved bind size: 39KD



Anti- Menin Picoband antibody, ABO11954, Western blottingAll lanes: Anti Menin (ABO11954) at 0.5ug/mlLane 1: HELA Whole Cell Lysate at 40ugLane 2: 293T Whole Cell Lysate at 40ugLane 3: SMMC Whole Cell Lysate at 40ugLane 4: HEPA Whole Cell Lysate at 40ugLane 5: COLO320 Whole Cell Lysate at 40ugPredicted bind size: 68KDObserved bind size: 68KD

### Anti-Menin Picoband Antibody - 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.