

**Menin Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP51340**

**Specification**

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**Menin Antibody - Product Information**

Application	<b>WB, IHC-P, E</b>
Primary Accession	<a href="#">O00255</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>68 KDa</b>

**Menin Antibody - Additional Information**

**Gene ID** 4221

**Other Names**

Menin, MEN1, SCG2

**Format**

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Menin 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.

## Menin 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](#)

## Menin Antibody - Images

### Menin Antibody - Background

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.

### Menin Antibody - References

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Taylor T.D., et al. *Nature* 440:497-500(2006).  
Toledo R.A., et al. *Clin. Endocrinol. (Oxf.)* 67:377-384(2007).  
Agarwal S.K., et al. *Cell* 96:143-152(1999).  
Heppner C., et al. *Oncogene* 20:4917-4925(2001).