10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MEN1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AW5602

Specification

MEN1 Antibody (N-term) - Product Information

Application	**IF, WB,E**
Primary Accession	O00255
Other Accession	Q0P5I0, A2SXS5, O88559, Q9WVR8
Reactivity	**Human**
Predicted	**Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**H=68,67,64;R=67,61;M=68,61 KDa**
Isotype	**Rabbit IgG**
Antigen Source	**HUMAN**

MEN1 Antibody (N-term) - Additional Information

Gene ID 4221

Antigen Region
3-32

Other Names
Menin, MEN1, SCG2

Dilution
IF~~1:10~50
WB~~1:2000

Target/Specificity
This MEN1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 3-32 amino acids from the N-terminal region of human MEN1.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
MEN1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MEN1 Antibody (N-term) - 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

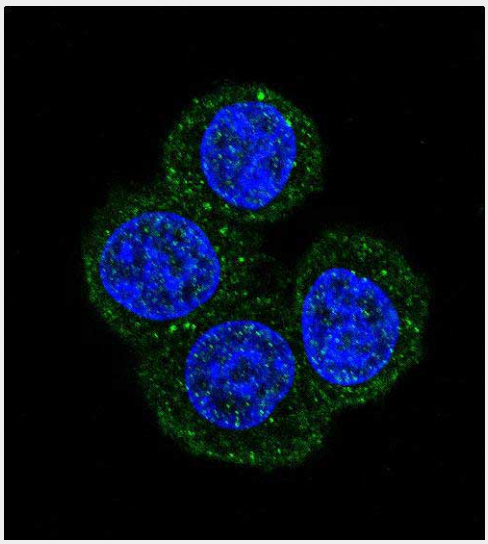
Tissue Location
Ubiquitous.

MEN1 Antibody (N-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MEN1 Antibody (N-term) - Images



Confocal immunofluorescent analysis of MEN1 Antibody (N-term)(Cat#AW5602) with Hela cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green).DAPI was used to stain the cell nuclear (blue).

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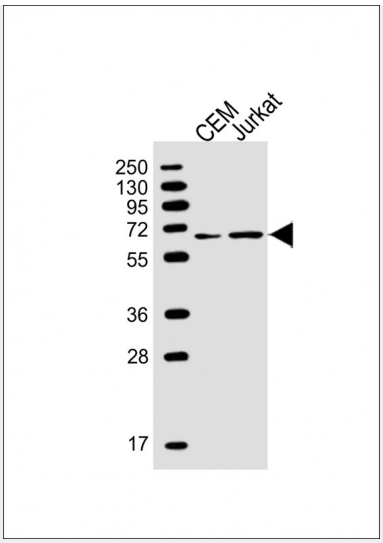

All lanes : Anti-MEN1 Antibody (N-term) at 1:2000 dilution Lane 1: CEM whole cell lysate Lane 2: Jurkat whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 68 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

MEN1 Antibody (N-term) - Background

This gene encodes menin, a putative tumor suppressor associated with a syndrome known as multiple endocrine neoplasia type 1. In vitro studies have shown menin is localized to the nucleus, possesses two functional nuclear localization signals, and inhibits transcriptional activation by JunD, however, the function of this protein is not known. Two messages have been detected on northern blots but the larger message has not been characterized. Alternative splicing results in multiple transcript variants.

MEN1 Antibody (N-term) - References

Stratakis, C., et al. Clin. Genet. 78(5):457-463(2010)
Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Liu, C.Y., et al. Carcinogenesis 31(7):1259-1263(2010)
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