

MEN1 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP13747a**Specification**

MEN1 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [O00255](#)**MEN1 Antibody (N-term) Blocking peptide - Additional Information**

Gene ID 4221

Other Names

Menin, MEN1, SCG2

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13747a was selected from the N-term region of MEN1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

MEN1 Antibody (N-term) Blocking peptide - 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 TGFβ1-mediated inhibition of cell-proliferation, possibly regulating SMAD3 transcriptional activity. Represses JUND-mediated transcriptional activation on AP1 sites, as well as that mediated by NFκB 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) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

MEN1 Antibody (N-term) Blocking peptide - Images

MEN1 Antibody (N-term) Blocking peptide - 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) Blocking peptide - 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) Skandarajah, A., et al. World J Surg 34(6):1294-1298(2010) Calender, A. Bull. Acad. Natl. Med. 194(1):81-95(2010)