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MEN1 Antibody (S128) Blocking Peptide

Synthetic peptide
Catalog # BP7415a

Specification

MEN1 Antibody (S128) Blocking Peptide - Product Information

Primary Accession	O00255
Other Accession	NP_000235

MEN1 Antibody (S128) Blocking Peptide - Additional Information

Gene ID 4221

Other Names
Menin, MEN1, SCG2

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP7415a was selected from the S128 region of human 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 (S128) Blocking Peptide - Protein Information

Name MEN1

Synonyms SCG2

MEN1 Antibody (S128) Blocking Peptide - Background

Menin (MEN1), 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.

MEN1 Antibody (S128) Blocking Peptide - References

Hashimoto,M., Int. J. Oncol. 33 (2), 333-340 (2008)Vidal,A., J Eur Acad Dermatol Venereol 22 (7), 835-838 (2008)Pieterman,C.R., Clin. Endocrinol. (Oxf) (2008)

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 (S128) Blocking Peptide - Protocols

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

- Blocking Peptides