MEN1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MEN1, Polyclonal Antibody
Full Product Name	MEN1 Antibody
Product Gene Name	anti-MEN1 antibody
Product Synonym Names	MEAI; Menin; SCG2; Wermer syndrome; Zollinger-Ellison syndrome
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Purified from rabbit antiserum by affinity-chromatography using immunogen.
Concentration	1 mg/ml (lot specific)
Specificity	MEN1 Antibody detects endogenous levels of MEN1.
Preparation and Storage	Stable at -20 degree C for at least 1 year.
Molecular Weight	67 kDa
OMIM	U93236 mRNA
3D Structure	ModBase 3D Structure for O00255
Target Modification	Unmodified/Total
Immunogen	The antiserum was produced against synthesized peptide derived from human MEN1.
Immunogen Range	181-230
Applications Tested/Suitable for anti-MEN1 antibody	Western Blot (WB), Immunohistochemistry (IHC), ELISA (EIA)
Application Notes for anti-MEN1 antibody	WB: 1:500~1:1000 IHC: 1:50~1:100 ELISA: 1:10000
Related Product Information for anti-MEN1 antibody	MBS9505831 is an antibody targeting MEN1. Also known as MEN1 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-MEN1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MEN1. It may not necessarily be applicable to this product.

NCBI GI #	18860839
NCBI GeneID	4221
NCBI Accession #	NP_000235.2

UniProt Primary Accession #	O00255
UniProt Secondary Accession #	O00632; Q9BUF0; Q9BUK2; A5HBC6; A5HBC7; A5HBC8; A5HBC9; A5HBD0; A5HBD1; A5HBD2
UniProt Related Accession #	O00255
GenBank Nucleotide #	NM_000244.3
NCBI Official Full Name	menin isoform 1
NCBI Official Synonym Full Names	menin 1
NCBI Official Symbol	MEN1
NCBI Official Synonym Symbols	MEAI; SCG2
UniProt Protein Name	Menin
Protein Family	Menin
UniProt Gene Name	MEN1
UniProt Synonym Gene Names	SCG2
NCBI Protein Information	menin
NCBI Summary for MEN1	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. [provided by RefSeq, Oct 2008]
UniProt Comments for MEN1	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 (). May be involved in DNA repair.
Research Articles on MEN1	**1.** Data suggest that a novel germline missense mutation in MEN1 (p.Gly42Val) accounts for type 1 multiple endocrine neoplasia in a family; this mutation was found in the patient and his mother. [CASE REPORT]
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