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

Anti-Menin Antibody

Catalog # AP51340

Product Information

Application	WB, IHC
Primary Accession	O00255
Reactivity	Human, Mouse, Rat, Chicken, Bovine, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	67497

Additional Information

Gene ID	4221
Other Names	SCG2; Menin
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Menin. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

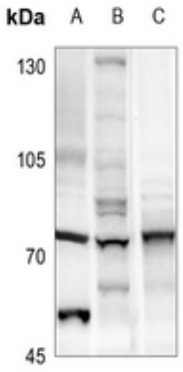
Protein Information

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.

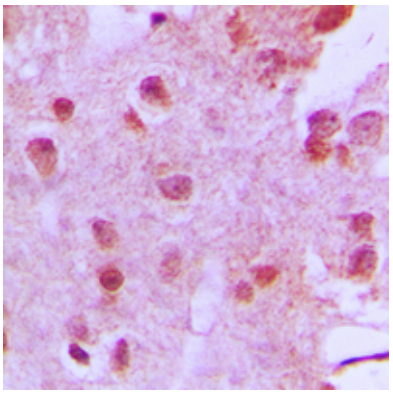
References

Chandrasekharappa S.C.,et al.Science 276:404-407(1997).
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).

Images



Western blot analysis of Menin expression in Panc1 (A), HepG2 (B), rat thymus (C) whole cell lysates. (Predicted band size: 63; 67; 68 kD; Observed band size: 80 kD)



Immunohistochemical analysis of Menin staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.