.-online.com antibodies

Datasheet for ABIN6972340 anti-Menin antibody (C-Term)

2 Images

Go to Product page

Overview

Quantity:	100 µL	
Target:	Menin (MEN1)	
Binding Specificity:	C-Term	
Reactivity:	Human, Mouse	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This Menin antibody is un-conjugated	
Application:	Western Blotting (WB), Chromatin Immunoprecipitation (ChIP), ChIP DNA-Sequencing (ChIP- seq)	

Product Details

Immunogen:	This Menin antibody was raised against a peptide corresponding to amino acids within the C- terminal region of human Menin.
lsotype:	lgG
Characteristics:	Menin (MEN1, SCG2) is a tumor suppressor and a component of multiple MLL-containing protein complexes (MLL, ACSOM, MLL2/3 and MLL3/4), which methylate histone H3 at lysine 4. Menin interacts directly with MLL through a domain in the N-terminus of MLL. It also interacts with RNA polymerase II large subunit C-terminal domain phosphorylated at Ser5. Menin is involved in the activation of HOX gene expression and is localized along with MLL at several HOX gene promoters. It is also important for activating the expression of several cell cycle regulators, indicating a mechanism for its role as a tumor suppressor. Defects in Menin are associated with inherited Multiple Endocrine Neoplasia type I, a dominant predisposition to

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN6972340 | 09/10/2023 | Copyright antibodies-online. All rights reserved.

Product Details		
	cancer of a number of endocrine tissues. Menin antibody (pAb) was raised in a Rabbit host. It has been validated for use in Chromatin Immunoprecipitation, ChIP-Seq and Western blot, it has been shown to react with Human and Mouse samples.	
Purification:	Affinity Purified	
Target Details		
Target:	Menin (MEN1)	
Alternative Name:	Menin (MEN1 Products)	
Molecular Weight:	80 kDa	
NCBI Accession:	NP_570716	
Pathways:	Chromatin Binding, Positive Regulation of Endopeptidase Activity	
Application Details		
Application Notes:	Optimal working dilution should be determined by the investigator.	
Restrictions:	For Research Use only	
Handling		
Buffer:	Purified IgG in 70 mM Tris (pH 8), 105 mM NaCl, 31 mM glycine, 0.07 mM EDTA, 30 % glycerol and 0.035 % sodium azide.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Storage:	-20 °C	
Storage Comment:	Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at - 20°C for up to 2 years. Keep all reagents on ice when not in storage.	

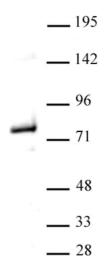
H3K4me3	H3K4me3	H3K4me3
MEN1	MEN1	MEN1
Ptgr2 zrp410 con	Gpc1 Caps20	Fam129a Edem3
4-10-1 Marine Antipeter Antipeter Entpd5 Atomat	f-titterin Ankmy1	4+++++++++++++++++++++++++++++++++++++

ChIP DNA-Sequencing

Image 1. Menin antibody (pAb) tested by ChIP-Seq. ChIP was performed using the ChIP-IT High Sensitivity Kit with 25 µg of chromatin from a mouse thymus and 5 µg of MEN1 antibody. ChIP DNA was sequenced on the Illumina HiSeq and 15 million sequence tags were mapped to identify MEN1 binding sites. MEN1 is a subunit of the MLL complex which catalyzes H3K4 trimethylation and is therefore expected to localize with H3K4me3. A sampling of the MEN1 ChIP-Seq data shows the expected co-localization of MEN1 and H3K4me3.

Western Blotting

Image 2. Western blot of Menin antibody. Nuclear extract of HEK293 cells (20 μ g) probed with Menin antibody (1:1,000).



Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 3/3 | Product datasheet for ABIN6972340 | 09/10/2023 | Copyright antibodies-online. All rights reserved.