

anti-Human, Mouse Menin Polyclonal Antibody | anti-MEN1 antibody

Anti-Menin Antibody

CATALOG # AAA46398	REACTIVITY Human, Mouse	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

Menin; Polyclonal Antibody; Anti-Menin Antibody; MEA 1; MEA1; MEN 1; MEN1; MEN1_HUMAN; Multiple Endocrine Adenomatosis 1; Multiple Endocrine Neoplasia 1; SCG 2; SCG2; Suppressor Candidate Gene 2; Wermer syndrome; ZES; Zollinger Ellison Syndrome; multiple endocrine neoplasia I; anti-MEN1 antibody

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	615
Applicable Applications for anti-MEN1 antibody	WB (Western Blot)
Immunogen	E Coli-derived human Menin recombinant protein (Position: P301-L615). Human Menin shares 93% and 94% amino acid (aa) sequence identity with mouse and rat Menin, respectively.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)

Anti- Menin Picoband antibody, AAA46398, Western blottingAll lanes: Anti Menin (AAA46398) at 0.5ug/mlLane 1: HELA Whole Cell Lysate at 40ugLane 2: 293T Whole Cell Lysate at 40ugLane 3: SMMC Whole Cell Lysate at 40ugLane 4: HEPA Whole Cell Lysate at 40ugLane 5: COLO320 Whole Cell Lysate at 40ugPredicted bind size: 68KDObserved bind size: 68KD



WB (Western Blot)

Anti- Menin Picoband antibody, AAA46398, Western blottingAll lanes: Anti Menin (AAA46398) at 0.5ug/mlWB: Recombinant Human Menin Protein 0.5ngPredicted bind size: 39KDObserved bind size: 39KD

ADDITIONAL INFORMATION

Related Product Information for anti-MEN1 antibody	Description: Rabbit IgG polyclonal antibody for Menin(MEN1) detection. Tested with WB in Human;Mouse. Background: The MEN1 gene encodes menin, a nuclear scaffold protein that regulates gene transcription by coordinating chromatin remodeling. It is mapped to 11q13.1. MEN1 is considered to act as a tumor suppressor gene. It has been found that that MEN1 inactivation by antisense RNA antagonizes transforming growth factor-beta-mediated cell growth inhibition. Overexpression of MEN1 in an inducible cell culture system downregulated the proximal promoter. In vitro studies have shown that MEN1 is localized to the nucleus, possesses two functional nuclear localization signals, and inhibits transcriptional activation by JunD. What's more, MEN1 was essential to maintain MLL-associated myeloid transformation.
References	1. Canaff, L., Vanbellinthen, J.-F., Kaji, H., Goltzman, D., Hendy, G. N. Impaired transforming growth factor-beta (TGF-beta) transcriptional activity and cell proliferation control of a menin in-frame deletion mutant associated with multiple endocrine neoplasia type 1 (MEN1). J. Biol. Chem. 287: 8584-8597, 2012. 2. Kaji, H., Canaff, L., Lebrun, J.-J., Goltzman, D., Hendy, G. N. Inactivation of menin, a Smad3-interacting protein, blocks transforming growth factor type beta signaling. Proc. Nat. Acad. Sci. 98: 3837-3842, 2001. 3. Zablewska, B., Bylund, L., Mandic, S. A., Fromaget, M., Gaudray, P., Weber, G. Transcription regulation of the multiple endocrine neoplasia type 1 gene in human and mouse. J. Clin. Endocr. Metab. 88: 3845-3851, 2003.

NCBI AND UNIPROT INFORMATION

NCBI GI #	18860839
NCBI GeneID	4221
NCBI Accession #	NP_000235.2
NCBI GenBank Nucleotide #	NM_000244.3
UniProt Accession #	O00255; O00632; Q9BUF0; Q9BUK2; A5HBC6; A5HBC7; A5HBC8; A5HBC9; A5HBD0; A5HBD1; A5HBD2
Molecular Weight	63,748 Da
NCBI Official Full Name	menin isoform 1
NCBI Official Synonym Full Names	menin 1
NCBI Official Symbol	MEN1
NCBI Official Synonym Symbols	MEAI; SCG2
NCBI Protein Information	menin
UniProt Protein Name	Menin
UniProt Gene Name	MEN1
UniProt Synonym Gene Names	SCG2
UniProt Entry Name	MEN1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.