

# Anti-Menin MEN1 Monoclonal Antibody

Catalog # ABO14409

## Product Information

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| <b>Application</b>       | WB, IHC, IF, ICC, IP                                                                                               |
| <b>Primary Accession</b> | <a href="#">O00255</a>                                                                                             |
| <b>Host</b>              | Rabbit                                                                                                             |
| <b>Isotype</b>           | Rabbit IgG                                                                                                         |
| <b>Reactivity</b>        | Human                                                                                                              |
| <b>Clonality</b>         | Monoclonal                                                                                                         |
| <b>Format</b>            | Liquid                                                                                                             |
| <b>Description</b>       | Anti-Menin MEN1 Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human. |

## Additional Information

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| <b>Gene ID</b>                         | 4221                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Other Names</b>                     | Menin, MEN1, SCG2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Calculated MW</b>                   | 67497                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Application Details</b>             | WB 1:1000-1:5000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200<br>IP 1:50                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>                          | Eukaryota                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Contents</b>                        | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Clone Names</b><br><b>Immunogen</b> | Clone: ACBA-13<br>A synthesized peptide derived from human Menin Menin, the protein product of the MEN1 gene, is a component of the mixed-lineage leukemia protein (MLL) -containing histone methyltransferase complex that facilitates methylation of histone H3 Lys4 to promote transcriptional activation. Menin functions to suppress proliferation of pancreatic islet cells, at least in part through MLL-mediated activation of the p18INK4c (p18) and p27CIP/KIP (p27) cyclin-dependent kinase inhibitor genes. |
| <b>Purification</b>                    | Affinity-chromatography                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Storage</b>                         | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                              |

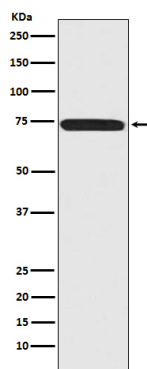
## Protein Information

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| <b>Name</b>              | MEN1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Synonyms</b>          | SCG2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Function</b>          | 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. |
| <b>Cellular Location</b> | Nucleus. Note=Concentrated in nuclear body-like structures. Relocates to the nuclear matrix upon gamma irradiation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Tissue Location</b>   | Ubiquitous.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Images

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Western blot analysis of Menin expression in 293T cell lysate.

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