

KD-Validated Anti-Menin 1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody Catalog # AGI1236

Specification

KD-Validated Anti-Menin 1 Rabbit Monoclonal Antibody - Product Information

Application WB, FC Primary Accession 000255

Reactivity Rat, Human, Mouse

Clonality Monoclonal Isotype Rabbit IgG

Calculated MW Predicted, 68 kDa; observed, 68 kDa KDa

Gene Name MEN

Aliases Menin 1; Menin; SCG2; Multiple Endocrine

Neoplasia I; MEAI

Immunogen A synthesized peptide derived from human

Menin

KD-Validated Anti-Menin 1 Rabbit Monoclonal Antibody - Additional Information

Gene ID **4221**

Other Names Menin, MEN1, SCG2

KD-Validated Anti-Menin 1 Rabbit Monoclonal Antibody - 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.

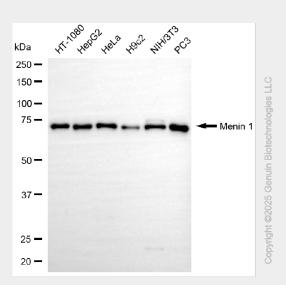


KD-Validated Anti-Menin 1 Rabbit Monoclonal Antibody - Protocols

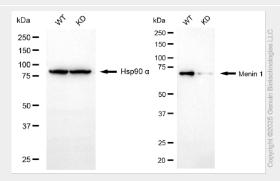
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

KD-Validated Anti-Menin 1 Rabbit Monoclonal Antibody - Images

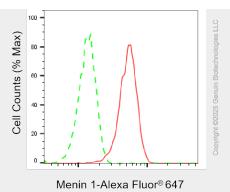


Western blotting analysis using anti-menin 1 antibody (Cat#AGI1236). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-menin 1 antibody (Cat#AGI1236, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-menin 1 antibody (Cat#AGI1236). Menin 1 expression in wild type (WT) and menin 1 (MEN1) knockdown (KD) HSHC cells with 20 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-menin 1 antibody (Cat#AGI1236, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.





Flow cytometric analysis of Menin 1 expression in HepG2 cells using anti-Menin 1 antibody (Cat#AGI1236, 1:2,000). Green, isotype control; red, Menin 1.