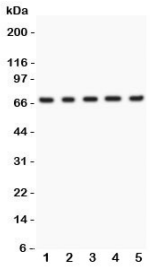
# Menin Antibody (R31676)

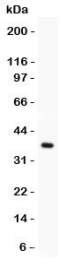
| Catalog No. | Formulation | Size |
|---|---|---|
| R31676 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose |
| **Gene ID** | 4221 |
| **Applications** | Western Blot : 0.5-1ug/ml |
| **Limitations** | This Menin antibody is available for research use only. |




Western blot testing of Menin antibody and Lane 1: human HeLa; 2: (h) 293T; 3: (h) SMMC-7721; 4: mouse HEPA1-6; 5: (h) COLO320. Predicted molecular weight ~68 kDa.




Western blot testing of Menin antibody and recombinant human protein (0.5ng)

## Description

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 in an inducible cell culture system downregulated the proximal promoter. In vitro studies have shown that the protein is localized to the nucleus, possesses two functional nuclear localization signals, and inhibits transcriptional activation by JunD. Additionally, MEN1 was essential to maintain MLL-associated myeloid transformation.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Menin antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

Human partial recombinant protein (AA 301-615) was used as the immunogen for this Menin antibody. Human MEN1 shares 93% and 94% amino acid sequence identity with mouse and rat, respectively.

## Storage

After reconstitution, the Menin antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.