**Product Name:** **MIB1 Mouse Monoclonal Antibody**
**Catalog #:** **AMM81757**
For research use only.

## Summary

| | |
|---|---|
| **Description** | Mouse monoclonal Antibody |
| **Host** | Mouse |
| **Application** | WB,ICC,ELISA,FC |
| **Reactivity** | Human,Monkey |
| **Conjugation** | Unconjugated |
| **Modification** | Unmodified |
| **Isotype** | Mouse IgG1 |
| **Clonality** | Monoclonal |
| **Form** | Liquid |
| **Concentration** | 1mg/ml |
| **Storage** | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| **Shipping** | Ice bags |
| **Buffer** | Purified antibody in PBS with 0.05% sodium azide |
| **Purification** | Affinity Purification |

## Application

| | |
|---|---|
| **Dilution Ratio** | WB 1:500-1:2000,ICC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400 |
| **Molecular Weight** | 110kDa |

## Antigen Information

| | |
|---|---|
| **Gene Name** | MIB1 |
| **Alternative Names** | MIB; DIP1; ZZZ6; DIP-1; LVNC7; ZZANK2 |
| **Gene ID** | 57534.0 |
| **SwissProt ID** | Q86YT6 |
| **Immunogen** | Purified recombinant fragment of human MIB1 (AA: 6-221) expressed in E. Coli. |

## Background

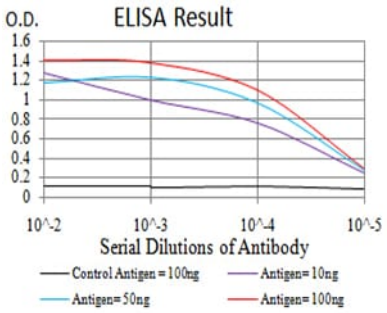
This gene encodes a protein containing multiple ankyrin repeats and RING finger domains that functions as an E3 ubiquitin ligase. The encoded protein positively regulates Notch signaling by ubiquitinating the Notch receptors, thereby facilitating their endocytosis. This protein may also promote the ubiquitination and degradation of death-associated protein kinase 1

(DAPK1).

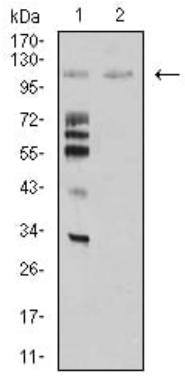
## Research Area

Notch signaling pathway

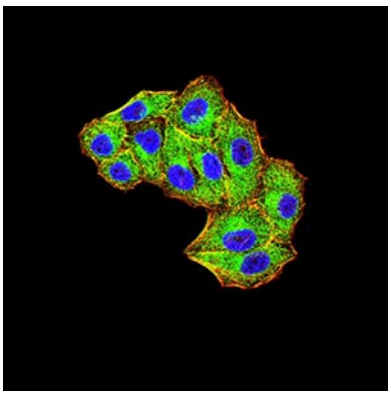
## Image Data



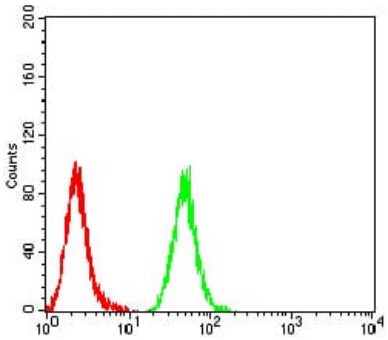

Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)




Western blot analysis using MIB1 mouse mAb against Hela (1) and COS7 (2) cell lysate.



Immunofluorescence analysis of Hela cells using MIB1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.




Flow cytometric analysis of Hela cells using MIB1 mouse mAb (green) and negative control (red).