

## SIRT3 monoclonal antibody

Catalog: MB22070

Host: Mouse

Reactivity: Human

### BackGround:

This gene encodes a member of the sirtuin family of proteins, homologs to the yeast Sir2 protein. Members of the sirtuin family are characterized by a sirtuin core domain and grouped into four classes. The functions of human sirtuins have not yet been determined; however, yeast sirtuin proteins are known to regulate epigenetic gene silencing and suppress recombination of rDNA. Studies suggest that the human sirtuins may function as intracellular regulatory proteins with mono-ADP-ribosyltransferase activity. The protein encoded by this gene is included in class I of the sirtuin family. Two alternatively spliced transcript variants that encode different proteins have been described for this gene.

### Product:

Purified antibody in PBS with 0.05% sodium azide

### Molecular Weight:

43.6kDa

### Swiss-Prot:

Q9NTG7

### Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB:1/500 - 1/2000    FC:1/200 - 1/400

### Storage&Stability:

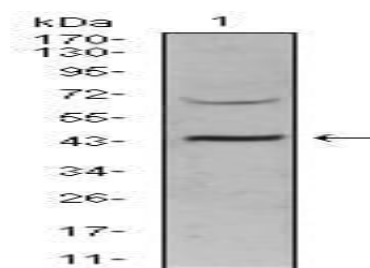
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

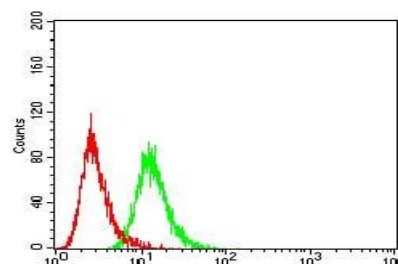
### Isotype:

Mouse IgG1

### DATA:



Western blot analysis using SIRT3 mouse mAb against PANC-1 (1) cell lysate.



Flow cytometric analysis of HeLa cells using SIRT3 mouse mAb (green) and negative control (red).

### Note:

For research use only, not for use in diagnostic procedure.

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