



# SIRT3 Rabbit mAb

|                           |   |
|---------------------------|---|
| <b>Catalog No</b>         | BYab-17831  |
| <b>Isotype</b>            | IgG   |
| <b>Reactivity</b>         | Human   |
| <b>Applications</b>       | WB,IHC-P  |
| <b>Gene Name</b>          | SIRT3   |
| <b>Alternative Names</b>  | SIR2L3  |
| <b>Research Field</b>     | Epigenetics and Nuclear Signaling   |
| <b>Product Categories</b> | Primary antibody  |
| <b>Host</b>               | Rabbit  |
| <b>Molecular Weight</b>   | Calculated MW: 44 kDa; Observed MW: 28 kDa  |
| <b>Clonality</b>          | Monoclonal Antibody   |
| <b>Clonality No.</b>      | R03-1F5   |
| <b>Dilution</b>           | WB: 1/500-1/1000 IHC: 1/50-1/100  |
| <b>Immunogen</b>          | A synthetic peptide of human SIRT3  |
| <b>Purification</b>       | Affinity Purified   |
| <b>Conjugation</b>        | Unconjugated  |
| <b>Modification</b>       | Unmodified  |
| <b>Form</b>               | Liquid  |
| <b>Buffer System</b>      | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA   |
| <b>Concentration</b>      | 1 mg/ml   |
| <b>Purity</b>             | ≥90%  |
| <b>Storage</b>            | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.  |
| <b>Background</b>         | 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 |

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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.

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



## Products Images

