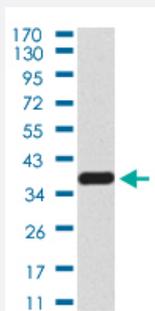


# SIRT6 monoclonal antibody, clone 2G1E8

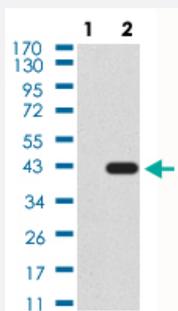
Catalog # MAB17291      Size 100 ug

## Applications



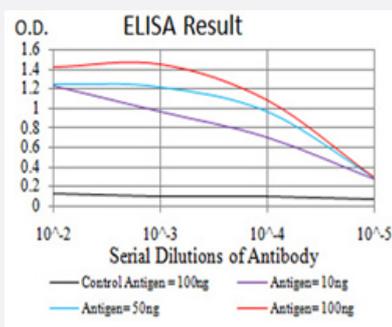
### Western Blot

Western Blot analysis of human SIRT6 recombinant protein.



### Western Blot

Western Blot analysis of (1) HEK293 cells, (2) SIRT6-hlgGfC transfected HEK293 cell lysate.



### Enzyme-linked Immunoabsorbent Assay

ELISA analysis of SIRT6 monoclonal antibody.

## Specification

### Product Description

Mouse monoclonal antibody raised against recombinant human SIRT6.

### Immunogen

Recombinant protein corresponding to amino acids 141-250 of human SIRT6 from *E. coli*.

|                             |  |
|-----------------------------|--|
| <b>Host</b>                 | Mouse  |
| <b>Theoretical MW (kDa)</b> | 39.1   |
| <b>Reactivity</b>           | Human  |
| <b>Form</b>                 | Liquid   |
| <b>Isotype</b>              | IgG1   |
| <b>Recommend Usage</b>      | ELISA (1:10000)<br>Western Blot (1:500-1:2000)<br>The optimal working dilution should be determined by the end user.   |
| <b>Storage Buffer</b>       | In PBS (0.05% sodium azide).   |
| <b>Storage Instruction</b>  | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.                 |
| <b>Note</b>                 | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |

## Applications

- Western Blot  
 Western Blot analysis of human SIRT6 recombinant protein.
- Western Blot  
 Western Blot analysis of (1) HEK293 cells, (2) SIRT6-hlgGfc transfected HEK293 cell lysate.
- Enzyme-linked Immunoabsorbent Assay  
 ELISA analysis of SIRT6 monoclonal antibody.

## Gene Info — SIRT6

|                         |   |
|-------------------------|---|
| <b>Entrez GeneID</b>    | <a href="#">51548</a>   |
| <b>Gene Name</b>        | SIRT6   |
| <b>Gene Alias</b>       | SIR2L6  |
| <b>Gene Description</b> | sirtuin (silent mating type information regulation 2 homolog) 6 (S. cerevisiae) |
| <b>Omim ID</b>          | <a href="#">606211</a>  |

**Gene Ontology**[Hyperlink](#)**Gene Summary**

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 IV of the sirtuin family. [provided by RefSeq]

**Other Designations**

sir2-related protein type 6|sirtuin 6|sirtuin type 6