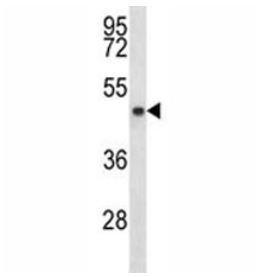
# SIRT3 Antibody (F43965)

| Catalog No. | Formulation | Size |
|---|---|---|
| F43965-0.4ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.4 ml |
| F43965-0.08ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.08 ml |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit Ig |
| **Purity** | Antigen affinity |
| **UniProt** | Q9NTG7 |
| **Applications** | Western blot: 1:1000 |
| **Limitations** | This SIRT3 antibody is available for research use only. |




SIRT3 antibody western blot analysis in MDA-MB453 lysate. Predicted molecular weight: 44/28 kDa (full/processed)

## Description

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.

Researchers studying mitochondrial metabolism, oxidative stress adaptation, and cellular energy regulation pathways may also be interested in our SIRT3 Antibody / Mitochondrial Metabolism Regulator page featuring validated immunofluorescence, flow cytometry, and protein microarray specificity data for mitochondrial biology research.

## Application Notes

Titration of the SIRT3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 56-84 from the human protein was used as the immunogen for this SIRT3 antibody.

## Storage

Aliquot the SIRT3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.


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