

# SIRT7 Antibody

Catalog No: #32106



Package Size: #32106-1 50ul #32106-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)  
Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

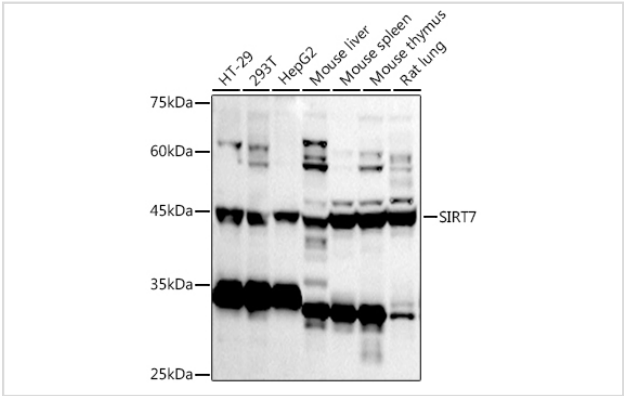
## Description

|                       |                                                               |
|-----------------------|---------------------------------------------------------------|
| Product Name          | SIRT7 Antibody                                                |
| Host Species          | Rabbit                                                        |
| Clonality             | Polyclonal                                                    |
| Isotype               | IgG                                                           |
| Purification          | Affinity purification                                         |
| Applications          | WB,IF                                                         |
| Species Reactivity    | Human;Mouse;Rat                                               |
| Specificity           | The antibody detects endogenous level of total SIRT7 protein. |
| Immunogen Type        | Recombinant Protein                                           |
| Immunogen Description | Recombinant fusion protein of human SIRT7 (NP_057622.1).      |
| Conjugates            | Unconjugated                                                  |
| Target Name           | SIRT7                                                         |
| Other Names           | SIRT7;SIR2L7;sirtuin 7                                        |
| Accession No.         | Uniprot:Q9NRC8GeneID:51547                                    |
| SDS-PAGE MW           | 45KDa                                                         |
| Concentration         | 1.0mg/ml                                                      |
| Formulation           | PBS with 0.02% sodium azide,50% glycerol,pH7.3.               |
| Storage               | Store at -20°C. Avoid freeze / thaw cycles.                   |

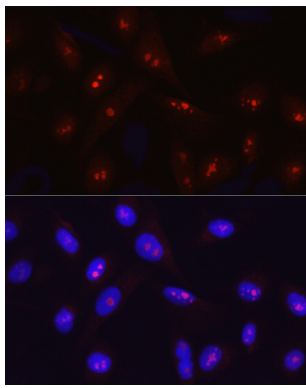
## Application Details

WB 1:500 - 1:2000IF 1:50 - 1:200

## Images



Western blot analysis of extracts of various cell lines, using SIRT7 antibody.



Immunofluorescence analysis of U2OS cells using SIRT7 Rabbit pAb.

## 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 IV of the sirtuin family.

## Published Papers

Lianhui Sun;Guangjian Fan;Zhuqing Zhang;Dong Chang;Xiaoyu Zhang;Tongqing Zhang;Jichuan Geng;Xiaoxia Zhang;Menghan Lin;Chen Hu;Jiaqi Zhou;Mengxue Wang;Liu Cao;Mary Zhang;Baokun He;Shengping Zhang;Chuangui Wang et al., Phosphorylation of SIRT7 by ATM causes DNA mismatch repair downregulation and adaptive mutability during chemotherapy., , (2025)

[PMID:39908142](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.