

SIRT7 Antibody

Catalog No: #32106

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

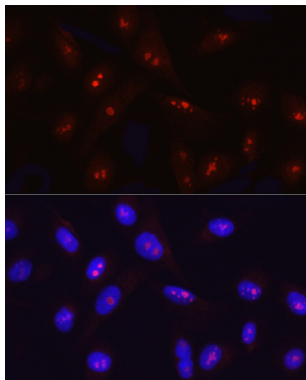
Description

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.

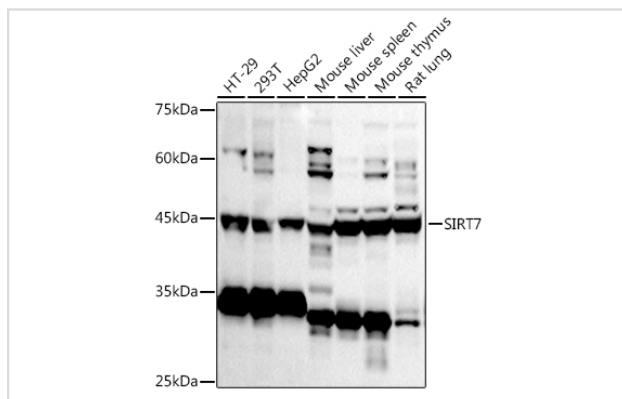
Application Details

WB□1:500 - 1:2000IF□1:50 - 1:200

Images



Immunofluorescence analysis of U2OS cells using SIRT7 Rabbit pAb.



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

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](https://pubmed.ncbi.nlm.nih.gov/39908142/)

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