Product Datasheet

SIRT1 Antibody

Catalog No: #48501

Package Size: #48501-1 50ul #48501-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

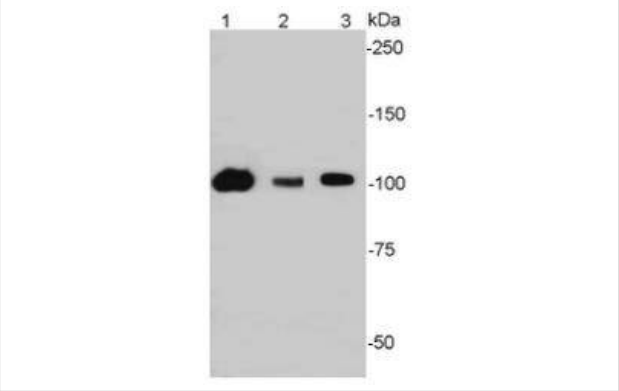
Description

Product Name	SIRT1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Peptide affinity purified
Applications	WB, IHC, FC
Species Reactivity	Hu, Ms
Immunogen Description	peptide
Other Names	75SirT1 antibody hSIR2 antibody hSIRT1 antibody HST2, S. cerevisiae, homolog of antibody NAD dependent deacetylase sirtuin 1 antibody NAD dependent protein deacetylase sirtuin 1 antibody OTTHUMP00000198111 antibody OTTHUMP00000198112 antibody Regulatory protein SIR2 homolog 1 antibody SIR1_HUMAN antibody SIR2 antibody SIR2 like 1 antibody SIR2 like protein 1 antibody SIR2, S.cerevisiae, homolog-like 1 antibody SIR2-like protein 1 antibody SIR2ALPHA antibody SIR2L1 antibody Sirt1 antibody SirtT1 75 kDa fragment antibody Sirtuin (silent mating type information regulation 2 homolog) 1 (S. cerevisiae) antibody Sirtuin 1 antibody Sirtuin type 1 antibody
Accession No.	Swiss-Prot#:Q96EB6
Uniprot	Q96EB6
GeneID	23411;
Calculated MW	110 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

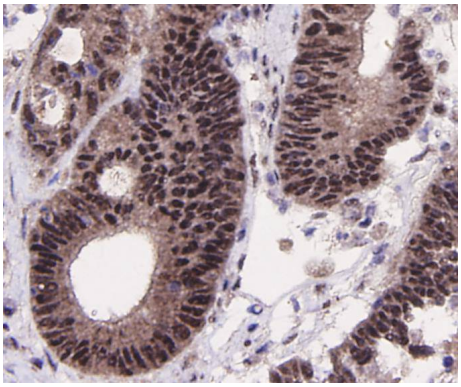
Application Details

WB: 1:1,000-1:2,000 IHC: 1:200 FC: 1:100-1:200

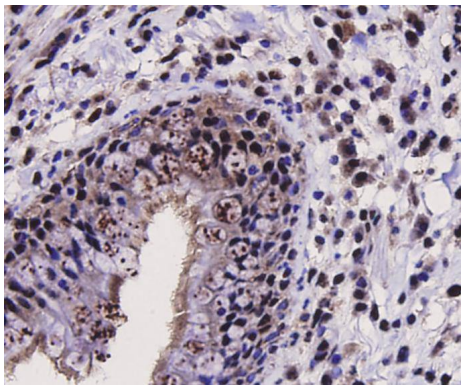
Images



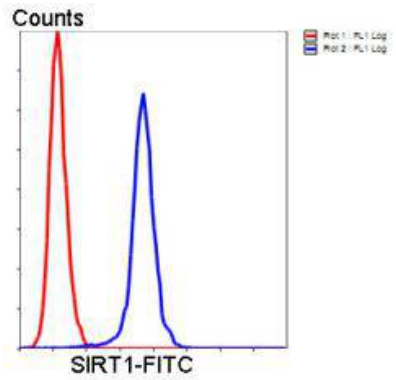
Western blot analysis of SIRT1 on different cell lysates using anti- SIRT1 antibody at 1/1000 dilution. Positive control:
Lane 1: Hela Lane2: F9 Lane3: Jurkat



Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue using anti-SIRT1 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using anti-SIRT1 antibody. Counter stained with hematoxylin.



Flow cytometric analysis of Hela cells with SIRT1 antibody at 1/100 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Goat anti rabbit IgG (FITC) was used as the secondary antibody.

Background

SirT1, the mammalian ortholog of Sir2, is a nuclear protein implicated in the regulation of many cellular processes, including apoptosis, cellular senescence, endocrine signaling, glucose homeostasis, aging, and longevity. Targets of SirT1 include acetylated p53, p300, Ku70, forkhead (FoxO) transcription factors, PPARγ, and the PPARγ coactivator-1α (PGC-1α) protein. Deacetylation of p53 and FoxO transcription factors represses apoptosis and increases cell survival. SirT1 deacetylase activity is inhibited by nicotinamide and activated by resveratrol.

References

Note: This product is for in vitro research use only