

Rabbit anti-Human, Mouse SIRT1 Polyclonal Antibody | anti-SIRT1 antibody

SIRT1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312096	Rabbit	Human, Mouse	Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

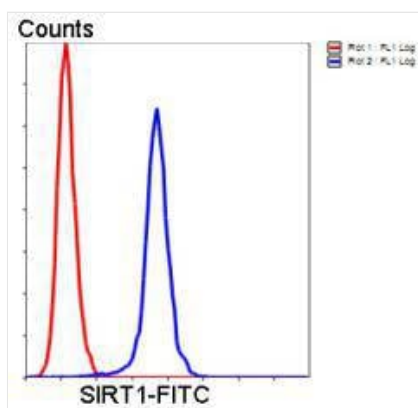
PRODUCT SYNONYMS

SIRT1; Polyclonal Antibody; SIRT1 Antibody; 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; anti-SIRT1 antibody

PRODUCT SPECIFICATIONS

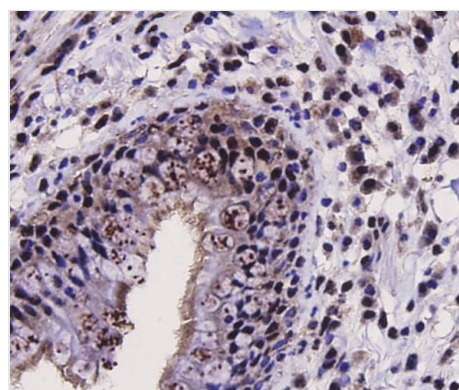
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Peptide affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-SIRT1 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Peptide
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



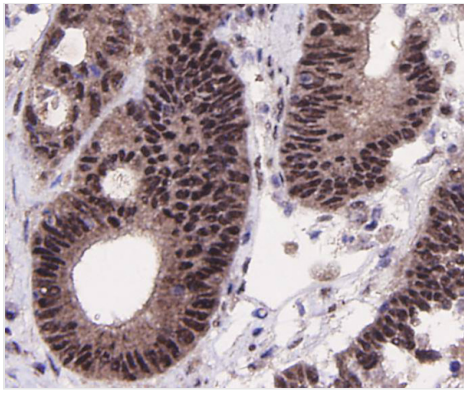
FCM/FACS (Flow Cytometry)

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.



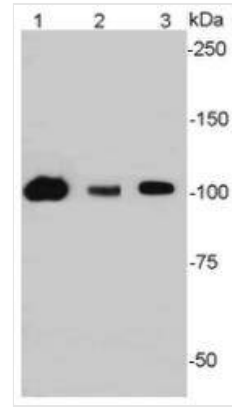
IHC (Immunohistochemistry)

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



IHC (Immunohistochemistry)

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



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-SIRT1 antibody	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, PPARGamma, and the PPARGamma coactivator-1alpha (PGC-1alpha) 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.
Product Categories/Family for anti-SIRT1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	215982798
NCBI GeneID	23411
NCBI Accession #	NP_001135970.1
NCBI GenBank Nucleotide #	NM_001142498.1
UniProt Accession #	Q96EB6; Q2XNF6; Q5JVQ0; Q9GZR9; Q9Y6F0
Molecular Weight	81,681 Da
NCBI Official Full Name	NAD-dependent protein deacetylase sirtuin-1 isoform b
NCBI Official Synonym Full Names	sirtuin 1
NCBI Official Symbol	SIRT1
NCBI Official Synonym Symbols	SIR2L1
NCBI Protein Information	NAD-dependent protein deacetylase sirtuin-1; hSIR2; hSIRT1; SIR2alpha; sir2-like 1; sirtuin type 1; SIR2-like protein 1; regulatory protein SIR2 homolog 1; NAD-dependent deacetylase sirtuin-1
UniProt Protein Name	NAD-dependent protein deacetylase sirtuin-1
UniProt Gene Name	SIRT1
UniProt Synonym Gene Names	SIR2L1; hSIRT1; hSIR2; 75SirT1
UniProt Entry Name	SIR1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

