

Rabbit SIRT1 Polyclonal Antibody | anti-SIRT1 antibody

SIRT1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA305165	Rabbit	Human, Mouse, Rat	Immunofluorescence, Western Blot, ELISA

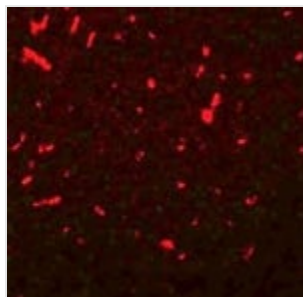
PRODUCT SYNONYMS

SIRT1; Polyclonal Antibody; SIRT1 Antibody; Sirtuin; NAD-dependent deacetylase sirtuin-1; SIR2L1; hSIR2; hSIRT1; anti-SIRT1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	747
Applicable Applications for anti-SIRT1 antibody	IF (Immunofluorescence), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 19 amino acid peptide near the amino terminus of human SIRT1.
Target Name	SIRT1
Preparation and Storage	Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IF (Immunofluorescence)

Immunofluorescence of SIRT1 in rat lung tissue with SIRT1 antibody at 20 ug/mL.



WB (Western Blot)

Western blot analysis of SIRT1 in mouse liver tissue lysate with SIRT1 antibody at 1 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-SIRT1 antibody	The Silent Information Regulator (SIR2) family of genes are highly conserved from prokaryotes to eukaryotes and have important functions in the regulation of metabolism, growth and differentiation, inflammation, cellular survival, as well as in senescence and lifespan extension. Sirtuins, including SIRT1-7, are human homologs of yeast Sir2p. Sirtuins are NAD ⁺ -dependent histone/protein deacetylases (HDAC) which regulate cellular metabolism, e.g. energy metabolism, and thereby are associated with aging and several age-related diseases. SIRT1 has the closest homology to the yeast Sir2p and is widely expressed in fetal and adult tissues. SIRT1 regulates the p53-dependent DNA damage response pathway by binding to and deacetylating p53, specifically via lysine residue.
Product Categories/Family for anti-SIRT1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	7657575
NCBI GeneID	23411
NCBI Accession #	NP_036370
NCBI GenBank Nucleotide #	NM_012238.4
Molecular Weight	61,066 Da
NCBI Official Full Name	NAD-dependent protein deacetylase sirtuin-1 isoform a
NCBI Official Synonym Full Names	sirtuin 1
NCBI Official Symbol	SIRT1
NCBI Official Synonym Symbols	SIR2; hSIR2; SIR2L1
NCBI Protein Information	NAD-dependent protein 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/sirt1-antibody-immunofluorescence-western-blot-elisa/305165>