

Rabbit SIRT1 Polyclonal Antibody | anti-SIRT1 antibody

SIRT1 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA197352	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish	Western Blot

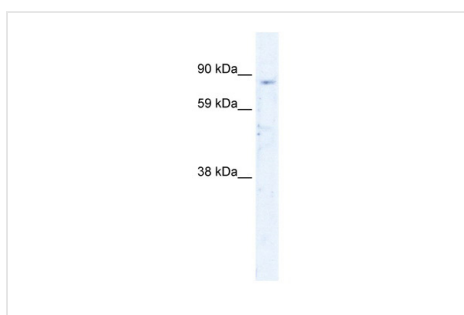
PRODUCT SYNONYMS

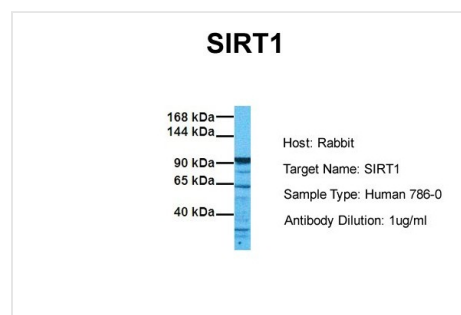
SIRT1; Polyclonal Antibody; SIRT1 antibody - N-terminal region; anti-SIRT1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Protein A purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: PE TIPPPELDDM TLWQIVINIL SEPPKRKKRK DINTIEDAVK LLQECKKI
Sequence Length	747
Applicable Applications for anti-SIRT1 antibody	WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 85%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human SIRT1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES


WB (Western Blot)

WB Suggested Anti-SIRT1 Antibody Titration: 0.5ug/ml
ELISA Titer: 1:1562500
Positive Control: Human Thymus

WB (Western Blot)

Host: Rabbit
Target Name: SIRT1
Sample Type: Human 786-0
Antibody Dilution: 1.0ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-SIRT1 antibody	This is a rabbit polyclonal antibody against SIRT1. It was validated on Western Blot using a cell lysate as a positive control. Target Description: SIRT1 is 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 I of the sirtuin family.
Product Categories/Family for anti-SIRT1 antibody	Polyclonal; Transcription Factor; Transcription Regulation; Drugs and Drug Metabolism; Autophagy; DNA Repair; Hypoxia; Methylation; Phosphorylation; Transcription Factors; Cell Differentiation

NCBI AND UNIPROT INFORMATION

NCBI GI #	7657575
NCBI GeneID	23411
NCBI Accession #	NP_036370
NCBI GenBank Nucleotide #	NM_012238
UniProt Accession #	Q96EB6
Molecular Weight	82kDa
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; SIR2L1; SIR2alpha
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.