Rabbit SIRT6 Polyclonal Antibody | anti-SIRT6 antibody

SIRT6 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA197358	**Rabbit**	**Cow, Dog, Human, Rat**	**Chromatin Immunoprecipitation, Immunoprecipitation, Immunoprecipitation, Western Blot**

PRODUCT SYNONYMS

SIRT6; Polyclonal Antibody; SIRT6 antibody - middle region; anti-SIRT6 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Human, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Syntheticp eptideloca tedwithint hefollowin gregion:TR INGSIPAGPK QEPCAQHNGS EPASPKRERP TSPAPHRPPK RVKAKAVP
Sequence Length	355
Applicable Applications for anti-SIRT6 antibody	ChIP (Chromatin immunoprecipitation), IP (Immunoprecipitation), WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Human: 100%; Rat: 83%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human SIRT6
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-SIRT6 Antibody Titration: 0.2-1 ug/mlELISA Titer: 1:312500Positive Control: Human Spleen

WB (Western Blot)
IP: 5 ul in 1ml of U2OS lysates

ADDITIONAL INFORMATION

Related Product Information for anti-SIRT6 antibody	This is a rabbit polyclonal antibody against SIRT6. It was validated on Western Blot using a cell lysate as a positive control. Target Description: SIRT6 is a NAD-dependent protein deacetylase. SIRT6 has deacetylase activity towards 'Lys-9' and 'Lys-56' of histone H3. SIRT6 modulates acetylation of histone H3 in telomeric chromatin during the S-phase of the cell cycle. Deacetylates 'Lys-9' of histone H3 at NF-kappa-B target promoters and may down-regulate the expression of a subset of NF-kappa-B target genes. Deacetylation of nucleosomes interferes with RELA binding to target DNA. SIRT6 may be required for the association of WRN with telomeres during S-phase and for normal telomere maintenance. SIRT6 is required for genomic stability, normal IGF1 serum levels and normal glucose homeostasis. SIRT6 modulates cellular senescence and apoptosis. SIRT6 regulates the production of TNF protein.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.
Product Categories/Family for anti-SIRT6 antibody	Polyclonal; Transcription Factor; Signal Proteins; Chromatin & Nuclear Signaling; Disease Related; DNA/RNA/Protein Interactions

NCBI AND UNIPROT INFORMATION

NCBI GI #	300797577
NCBI GeneID	51548
NCBI Accession #	NP_057623
NCBI GenBank Nucleotide #	NM_016539
UniProt Accession #	Q8N6T7
Molecular Weight	39kDa
NCBI Official Full Name	NAD-dependent protein deacetylase sirtuin-6 isoform 1
NCBI Official Synonym Full Names	sirtuin 6
NCBI Official Symbol	SIRT6
NCBI Official Synonym Symbols	SIR2L6
NCBI Protein Information	NAD-dependent protein deacetylase sirtuin-6
UniProt Protein Name	NAD-dependent protein deacetylase sirtuin-6
UniProt Gene Name	**SIRT6**
UniProt Synonym Gene Names	SIR2L6
UniProt Entry Name	SIR6_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.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/sirt6-antibody-chromatin-immunoprecipitation-immunoprecipitation-western-blot-elisa/197358