

Rabbit SIRT1 Polyclonal Antibody | anti-SIRT1 antibody

SIRT1 Polyclonal Antibody

CATALOG # AAA174392	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry
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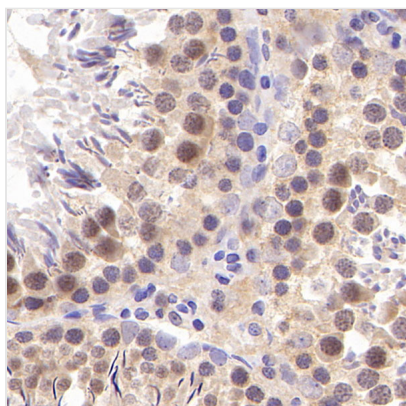
PRODUCT SYNONYMS

SIRT1; Polyclonal Antibody; SIRT1 Polyclonal Antibody; 75SirT1; hSIR2; hSIRT1; HST2; S. cerevisiae; homolog of; NAD dependent deacetylase sirtuin 1; NAD dependent protein deacetylase sirtuin 1; OTTHUMP00000198111; OTTHUMP00000198112; Regulatory protein SIR2 homolog 1; SIR1; SIR2; SIR2 like 1; SIR2 like protein 1; S.cerevisiae; homolog-like 1; SIR2-like protein 1; SIR2ALPHA; SIR2L1; Sirt1; SirtT1 75 kDa fragment; Sirtuin (silent mating type information regulation 2 homolog) 1 (S. cerevisiae); Sirtuin 1; Sirtuin type 1; anti-SIRT1 antibody

PRODUCT SPECIFICATIONS

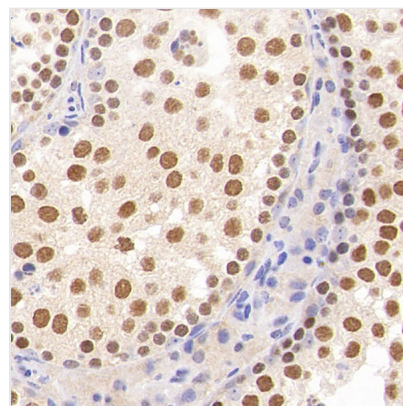
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.02% sodium azide, 100 mug/ml BSA and 50% glycerol.
Concentration	0.57 mg/mL (varies by lot)
Sequence Length	561
Applicable Applications for anti-SIRT1 antibody	IHC (Immunohistochemistry)
Immunogen	KLH conjugated synthetic peptide corresponding to Mouse SIRT1
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



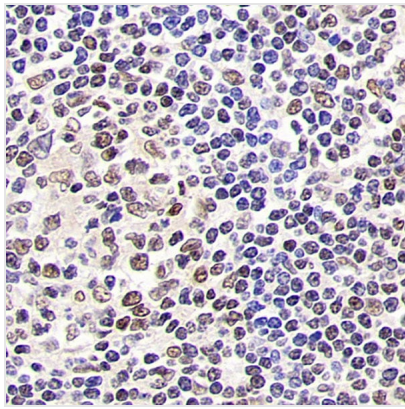
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Rat testis using SIRT1 Polyclonal Antibody at dilution of 1:300.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded mouse testis using SIRT1 Polyclonal Antibody at dilution of 1:500.



IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded human tonsil using SIRT1 Polyclonal Antibody at dilution of 1:500.

ADDITIONAL INFORMATION

Related Product Information for anti-SIRT1 antibody	SIRT1, also named as SIR2L1, contains a deacetylase sirtuin-type domain and belongs to the sirtuin family. It regulates processes such as apoptosis and muscle differentiation by deacetylating key proteins. SIRT1 in particular initiates several signalling events relevant to cardioprotection, including: activation of endothelial nitric oxide synthase, insulin receptor signalling, and autophagy. In addition SIRT1 activation elicits resistance to oxidative stress via regulation of transcription factors and co-activators such as FOXO, Hif-2a, and NF-κB. SIRT1 regulates the p53-dependent DNA damage response pathway by binding to and deacetylating p53, specifically at Lysine 382.
Product Categories/Family for anti-SIRT1 antibody	Cancer; Cell Biology; Epigenetics and Nuclear Signaling; Metabolism; Microbiology; Tags & Cell Markers

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; Q5JVVQ0; Q9GZR9; Q9Y6F0
Molecular Weight	61,066 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	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; 75Sir1

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.