

Rabbit anti-Human SIRT5 Polyclonal Antibody | anti-SIRT5 antibody

SIRT5 Antibody, Rabbit PAb, Antigen Affinity Purified

CATALOG # AAA258601	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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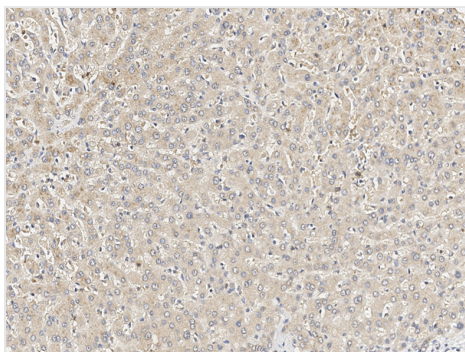
PRODUCT SYNONYMS

SIRT5; Polyclonal Antibody; SIRT5 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-SIR2L5 Antibody; anti-SIRT5 antibody

PRODUCT SPECIFICATIONS

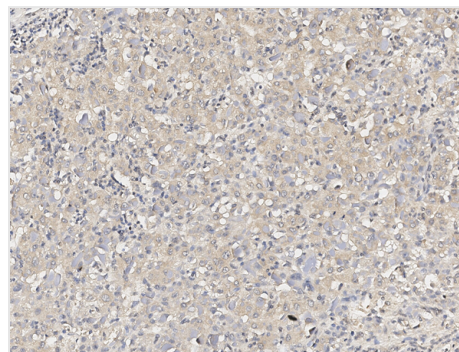
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	Human SIRT5
Applicable Applications for anti-SIRT5 antibody	IHC (Immunohistochemistry)
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the N-terminus of the Human SIRT5, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human SIRT5 in human liver with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human SIRT5 in human hepatoma with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-SIRT5 antibody	The sirtuin SIRT5 resides primarily in the mitochondrial matrix and catalyzes the removal of negatively charged lysine acyl modifications; succinyl, malonyl, and glutaryl groups SIRT5 as a significant regulator of cellular homeostasis, in a context- and cell-type specific manner, as has been observed previously for other sirtuin family members. SIRT5 regulates protein substrates involved in glycolysis, the TCA cycle, fatty acid oxidation, electron transport chain, ketone body formation, nitrogenous waste management, and ROS detoxification, among other processes. SIRT5 plays pivotal roles in cardiac physiology and stress responses and is involved in the regulation of numerous aspects of myocardial energy metabolism. SIRT5 is implicated in neoplasia, as both a tumor promoter and suppressor in a context-specific manner, and may serve a protective function in the setting of neurodegenerative disorders. The SIRT5 downregulation is associated with increased succinylation and activity of ACOX1 and oxidative DNA damage response in hepatocellular carcinoma (HCC).
Product Categories/Family for anti-SIRT5 antibody	Drug Targets; Cardiovascular; p53 Pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	300795542
NCBI GeneID	23408
NCBI Accession #	NP_001180196.1
NCBI GenBank Nucleotide #	NM_001193267.2
UniProt Accession #	Q9NXA8; Q5T294; Q5T295; Q9Y6E6; B4DFM4; B4DYJ5; F5H5Z9
Molecular Weight	310
NCBI Official Full Name	NAD-dependent protein deacylase sirtuin-5, mitochondrial isoform 3
NCBI Official Synonym Full Names	sirtuin 5
NCBI Official Symbol	SIRT5
NCBI Official Synonym Symbols	SIR2L5
NCBI Protein Information	NAD-dependent protein deacylase sirtuin-5, mitochondrial; sir2-like 5; sirtuin type 5; SIR2-like protein 5; regulatory protein SIR2 homolog 5; NAD-dependent deacetylase sirtuin-5; silent mating type information regulation 2, S.cerevisiae, homolog 5; NAD-d
UniProt Protein Name	NAD-dependent protein deacylase sirtuin-5, mitochondrial
UniProt Gene Name	SIRT5
UniProt Synonym Gene Names	SIR2L5
UniProt Entry Name	SIR5_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/sirt5-antibody-immunohistochemistry-elisa/258601>