

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

SIRT5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA234029	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

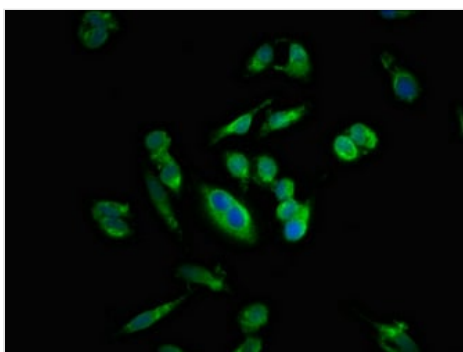
PRODUCT SYNONYMS

SIRT5; Polyclonal Antibody; SIRT5 Antibody; NAD-dependent protein deacylase sirtuin-5; mitochondrial; Regulatory protein SIR2 homolog 5; anti-SIRT5 antibody

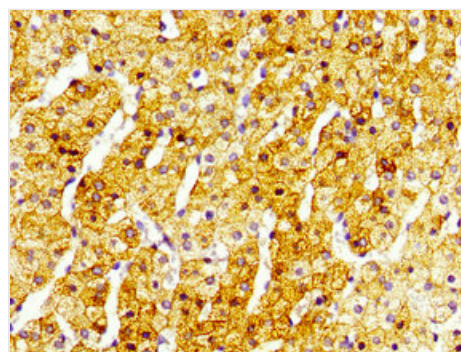
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	292
Applicable Applications for anti-SIRT5 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human NAD-dependent protein deacylase sirtuin-5, mitochondrial protein (60-212AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES


IF (Immunofluorescence)

Immunofluorescent analysis of HeLa cells using AAA234029 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human adrenal gland tissue using AAA234029 at dilution of 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-SIRT5 antibody	NAD-dependent lysine demalonylase, desuccinylase and deglutarylase that specifically removes malonyl, succinyl and glutaryl groups on target proteins (PubMed:21908771, PubMed:22076378, PubMed:24703693). Activates CPS1 and contributes to the regulation of blood ammonia levels during prolonged fasting: acts by mediating desuccinylation and deglutarylation of CPS1, thereby increasing CPS1 activity in response to elevated NAD levels during fasting (PubMed:22076378, PubMed:24703693). Activates SOD1 by mediating its desuccinylation, leading to reduced reactive oxygen species (PubMed:24140062). Modulates ketogenesis through the desuccinylation and activation of HMGCS2 (By similarity). Has weak NAD-dependent protein deacetylase activity; however this activity may not be physiologically relevant in vivo. Can deacetylate cytochrome c (CYCS) and a number of other proteins in vitro such as UOX.
Product Categories/Family for anti-SIRT5 antibody	Epigenetics and Nuclear Signaling; Cancer; Cardiovascular; Metabolism

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	21,689 Da
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
UniProt Protein Name	NAD-dependent protein deacylase sirtuin-5, mitochondrial
UniProt Gene Name	SIRT5

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://www.aaabiotech.com/polyclonal/sirt5-antibody-immunofluorescence-immunohistochemistry-elisa/234029>