

Rabbit anti-Human, Mouse SIRT3 Polyclonal Antibody | anti-SIRT3 antibody

SIRT3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA233082	Rabbit	Human, Mouse	Immunofluorescence, Western Blot, ELISA

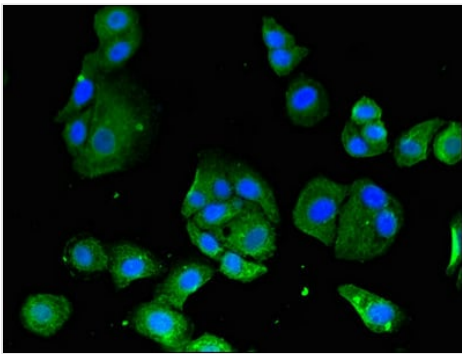
PRODUCT SYNONYMS

SIRT3; Polyclonal Antibody; SIRT3 Antibody; NAD-dependent protein deacetylase sirtuin-3; mitochondrial; hSIRT3; Regulatory protein SIR2 homolog 3; SIR2-like protein 3; SIR2L3; anti-SIRT3 antibody

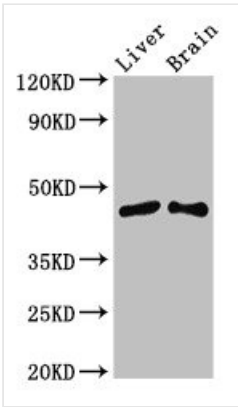
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	257
Applicable Applications for anti-SIRT3 antibody	IF (Immunofluorescence), WB (Western Blot), ELISA
Immunogen	Recombinant Human NAD-dependent protein deacetylase sirtuin-3, mitochondrial protein (20-130AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, pH 7.4
Conjugation	Non-conjugated
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-49743 / sc-49744 / sc-99143
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IF (Immunofluorescence)
Immunofluorescent analysis of HepG2 cells using AAA233082 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



WB (Western Blot)
Western BlotPositive WB detected in: Mouse liver tissue,Mouse brain tissueAll lanes: SIRT3 antibody at 3.4ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 44,29 KDaObserved band size: 44 KDa

ADDITIONAL INFORMATION

Related Product Information for anti-SIRT3 antibody	NAD-dependent protein deacetylase. Activates or deactivates mitochondrial target proteins by deacetylating key lysine residues. Known targets include ACSS1, IDH, GDH, SOD2, PDHA1, LCAD, SDHA and the ATP synthase subunit ATP5O. Contributes to the regulation of the cellular energy metabolism. Important for regulating tissue-specific ATP levels.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	63054862
NCBI GeneID	23410
NCBI Accession #	NP_001017524.1
NCBI GenBank Nucleotide #	NM_001017524.2
UniProt Accession #	Q9NTG7; Q9Y6E8; B7Z5U6
Molecular Weight	28,567 Da
NCBI Official Full Name	NAD-dependent protein deacetylase sirtuin-3, mitochondrial isoform b
NCBI Official Synonym Full Names	sirtuin 3
NCBI Official Symbol	SIRT3
NCBI Official Synonym Symbols	SIR2L3
NCBI Protein Information	NAD-dependent protein deacetylase sirtuin-3, mitochondrial
UniProt Protein Name	NAD-dependent protein deacetylase sirtuin-3, mitochondrial
UniProt Gene Name	SIRT3
UniProt Synonym Gene Names	SIR2L3; hSIRT3
UniProt Entry Name	SIR3_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.