

anti-Human SIRT3 Monoclonal Antibody | anti-SIRT3 antibody

SIRT3 Rabbit mAb

CATALOG # AAA314459	HOST Recombinant Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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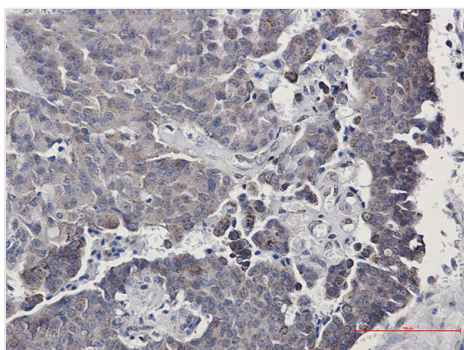
PRODUCT SYNONYMS

SIRT3; Monoclonal Antibody; SIRT3 Rabbit mAb; SIR2L3; anti-SIRT3 antibody

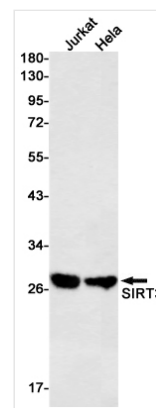
PRODUCT SPECIFICATIONS

Host	Recombinant Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	S03-1F5
Purity/Purification	Affinity Purified
Form/Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Concentration	0.3mg/ml (varies by lot)
Applicable Applications for anti-SIRT3 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human SIRT3
Conjugation	Unconjugated
Modification	Unmodification
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.

IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry of SIRT3 in paraffin-embedded Human breast cancer tissue using SIRT3 Rabbit mAb at dilution 1/50


WB (Western Blot)

Western blot detection of SIRT3 in Jurkat, HeLa cell lysates using SIRT3 Rabbit mAb(1:500 diluted). Predicted band size: 44kDa. Observed band size: 28kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-SIRT3 antibody	NAD-dependent protein deacetylase (PubMed:12186850, PubMed:12374852, PubMed:16788062, PubMed:18680753, PubMed:18794531, PubMed:23283301, PubMed:24121500, PubMed:24252090, PubMed:19535340). Activates or deactivates mitochondrial target proteins by deacetylating key lysine residues (PubMed:12186850, PubMed:12374852, PubMed:16788062, PubMed:18680753, PubMed:18794531, PubMed:23283301, PubMed:24121500, PubMed:24252090). Known targets include ACSS1, IDH, GDH, SOD2, PDHA1, LCAD, SDHA and the ATP synthase subunit ATP5PO (PubMed:16788062, PubMed:18680753, PubMed:24121500, PubMed:24252090, PubMed:19535340). Contributes to the regulation of the cellular energy metabolism (PubMed:24252090). Important for regulating tissue-specific ATP levels (PubMed:18794531). In response to metabolic stress, deacetylates transcription factor FOXO3 and recruits FOXO3 and mitochondrial RNA polymerase POLRMT to mtDNA to promote mtDNA transcription (PubMed:23283301).
Product Categories/Family for anti-SIRT3 antibody	Primary Antibody

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	43,573 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; sir2-like 3; sirtuin type 3; SIR2-like protein 3; regulatory protein SIR2 homolog 3; NAD-dependent deacetylase sirtuin-3, mitochondrial; silent mating type information regulation 2, S.cerevisiae,
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/sirt3-antibody-clone-s03-1f5-immunohistochemistry-western-blot-elisa/314459>