Mouse SIRT5 Monoclonal Antibody | anti-SIRT5 antibody

SIRT5 antibody

CATALOG #	HOST	APPLICATIONS
AAA106684	**Mouse**	**Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

SIRT5; Monoclonal Antibody; SIRT5 antibody; Monoclonal SIRT5; Anti-SIRT5; Sirtuin; Silent Mating Type Information Regulation 2 homolog 5; SIR2L5; SIRT 5; SIRT-5; anti-SIRT5 antibody

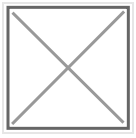
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	2A11
Purity/Purification	SIRT5 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	310
Applicable Applications for anti-SIRT5 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	SIRT5 is included in class III of the sirtuin family which ischaracterized by a sirtuin core domain. Human sirtuins may function as intracellular regulatory proteins with mono-ADP-ribosyltransferase activity. This gene encodes a member of the sirtuin family of proteins, homologs to the yeast Sir2 protein. Members of the sirtuin family are characterized by a sirtuin core domain and grouped into four classes. The functions of human sirtuins have not yet been determined; however, yeast sirtuin proteins are known to regulate epigenetic gene silencing. and suppress recombination of rDNA. Studies suggest that the human sirtuins may function as intracellular regulatory proteins with mono-ADP-ribosyltransferase activity.
Cross-Reactivity	Human
Immunogen	SIRT5 antibody was raised in mouse using a full length recombinant protein of human SIRT5 (NP_036373) produced in HEK293 cell as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES

IF (Immunofluorescence)
Immunofluorescent staining of COS7 cells transiently transfected with recombinant SIRT5 protein using SIRT5 antibody

IHC (Immunohiostchemistry)
Immunohistochemical analysis of SIRT5 protein in paraffin embedded Human Kidney tissue using SIRT5 antibody



WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant SIRT5 protein (Right) or empty vector (Left) detected with SIRT5 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-SIRT5 antibody	Mouse monoclonal SIRT5 antibody
Product Categories/Family for anti-SIRT5 antibody	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	6912664
NCBI GeneID	23408
NCBI Accession #	NP_036373
NCBI GenBank Nucleotide #	NM_012241.4
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 1
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**
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/monoclonal/sirt5-antibody-clone-2a11-western-blot-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/106684