

Mouse anti-Human SIRT1 / Sirtuin 1 Monoclonal Antibody | anti-SIRT1 antibody

Mouse Monoclonal [clone 7B7] (IgG1,k) to Human SIRT1 / Sirtuin 1

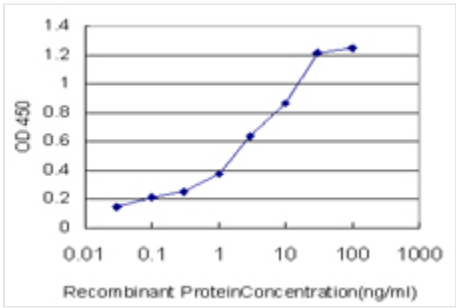
CATALOG # AAA51870	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA, Western Blot, Immunofluorescence, Immunohistochemistry
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PRODUCT SYNONYMS

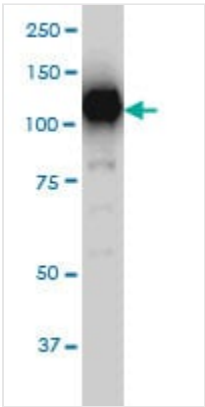
SIRT1 / Sirtuin 1; Monoclonal Antibody; Mouse Monoclonal [clone 7B7] (IgG1; k) to Human SIRT1 / Sirtuin 1; Anti-SIRT1 / Sirtuin 1 Antibody (clone 7B7) IHC-plus; SIRT1; SIR2-like protein 1; SIR2alpha; SIR2L1; Sirtuin 1; Sir2-like 1; Sirtuin type 1; HSIR2; HSIRT1; Human SIRT1; anti-SIRT1 antibody

PRODUCT SPECIFICATIONS

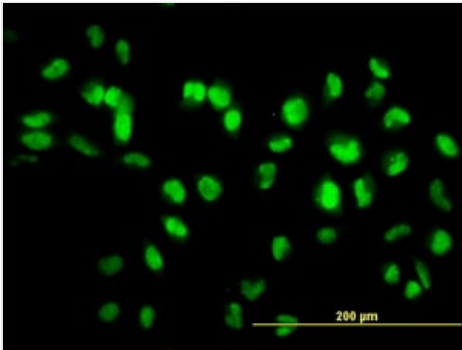
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	7B7
Purity/Purification	Protein A Purified
Form/Format	PBS, pH 7.4.
Concentration	0.5 mg/ml (varies by lot)
Sequence Length	747
Applicable Applications for anti-SIRT1 antibody	ELISA, WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	SIRT1 (AAH12499, 456 a.a. ~ 555 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Immunogen Type	Recombinant protein
Immunogen	SIRT1 / Sirtuin 1 antibody was raised against sIRT1 (AAH12499, 456 a.a. ~ 555 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Preparation and Storage	+4 degree C or -20 degree C, Avoid repeated freezing and thawing.



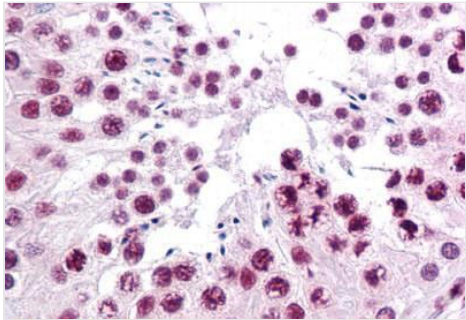
ELISA
Detection limit for recombinant GST tagged SIRT1 is approximately 0.1 ng/ml as a capture antibody.



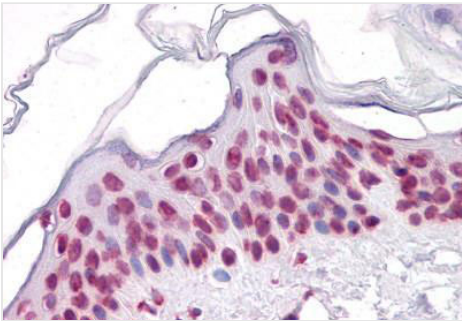
WB (Western Blot)
SIRT1 monoclonal antibody, clone 7B7 Western blot of SIRT1 expression in HeLa NE.



IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to SIRT1 on HeLa cell (antibody concentration 10 ug/ml).



IHC (Immunohistochemistry)
Anti-SIRT1 antibody IHC of human testis. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.



IHC (Immunohistochemistry)
Anti-SIRT1 antibody IHC of human skin. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-SIRT1 antibody	The SIRT family of genes are highly conserved from prokaryotes to eukaryotes and are involved in diverse processes including transcriptional regulation, cell cycle progression, DNA damage repair and aging. Sirtuins utilize NAD ⁺ as a substrate to catalyze deacetylation of specific acetylated protein and histones. SIRT1 has been shown to be induced by caloric restriction (CR) in several tissues and SIRT1 mediated deacetylase activity attenuates B-amyloid content in the brain during CR.
Product Categories/Family for anti-SIRT1 antibody	Family: ADP-Ribosyltransferase

NCBI AND UNIPROT INFORMATION

NCBI GI #	7657575
NCBI GeneID	23411
NCBI Accession #	NP_036370.2
NCBI GenBank Nucleotide #	NM_012238.4
UniProt Accession #	Q96EB6; Q2XNF6; Q5JYQ0; Q9GZR9; Q9Y6F0
Molecular Weight	61,066 Da
NCBI Official Full Name	NAD-dependent protein deacetylase sirtuin-1 isoform a
NCBI Official Synonym Full Names	sirtuin 1
NCBI Official Symbol	SIRT1
NCBI Official Synonym Symbols	SIR2L1
NCBI Protein Information	NAD-dependent protein deacetylase sirtuin-1; hSIR2; hSIRT1; SIR2alpha; sir2-like 1; sirtuin type 1; SIR2-like protein 1; regulatory protein SIR2 homolog 1; NAD-dependent deacetylase sirtuin-1
UniProt Protein Name	NAD-dependent protein deacetylase sirtuin-1
UniProt Gene Name	SIRT1
UniProt Synonym Gene Names	SIR2L1; hSIRT1; hSIR2; 75SirT1
UniProt Entry Name	SIR1_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/sirt1-sirtuin-1-antibody-clone-7b7-western-blot-immunofluorescence-immunohistochemistry-elisa/51870>