

SIRT7 Polyclonal Antibody | anti-SIRT7 antibody

Anti-SIRT7 Antibody

CATALOG # AAA46507	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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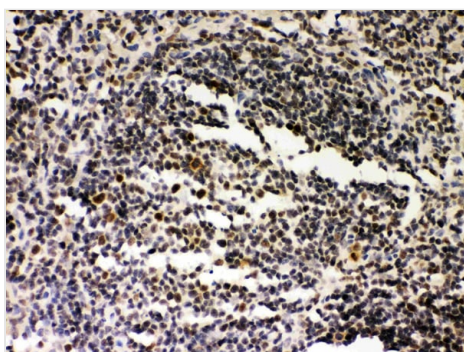
PRODUCT SYNONYMS

SIRT7; Polyclonal Antibody; Anti-SIRT7 Antibody; NAD-dependent protein deacetylase sirtuin-7; NAD dependent deacetylase sirtuin 7; NAD dependent protein deacetylase sirtuin 7; NAD-dependent deacetylase sirtuin-7; Regulatory protein SIR2 homolog 7; Silent mating type information regulation 2 homolog; Silent mating type information regulation 2 S.cerevisiae homolog 7; SIR2 L7; SIR2 like protein 7; Sir2 related protein type 7; SIR2; S.CEREVISIAE; HOMOLOG-LIKE 7; SIR2-like protein 7; SIR2L 7; SIR2L7; SIRT 7; SIRT7_HUMAN; Sirtuin 7; Sirtuin type 7; Sirtuin7; sirtuin 7; anti-SIRT7 antibody

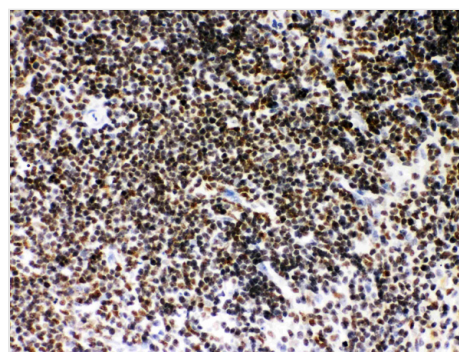
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	400
Applicable Applications for anti-SIRT7 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human SIRT7 recombinant protein (Position: R8-G350). Human SIRT7 shares 96% and 95% amino acid (aa) sequence identity with mouse and rat SIRT7, respectively.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

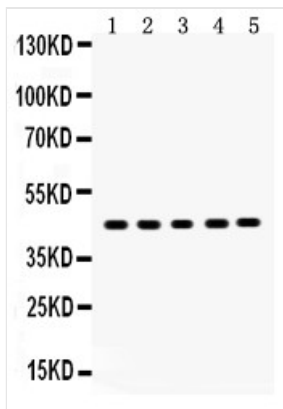
IMAGES



IHC (Immunohistochemistry)
Anti- SIRT7 Picoband antibody, AAA46507, IHC(P)IHC(P): Rat Spleen Tissue



IHC (Immunohistochemistry)
Anti- SIRT7 Picoband antibody, AAA46507, IHC(P)IHC(P): Mouse Spleen Tissue



WB (Western Blot)
 Anti- SIRT7 Picoband antibody, AAA46507, Western blottingAll lanes: Anti SIRT7 (AAA46507)
 at 0.5ug/mlLane 1: Rat Spleen Tissue Lysate at 50ugLane 2: Rat Brain Tissue Lysate at
 50ugLane 3: Rat Intestine Tissue Lysate at 50ugLane 4: SMMC Whole Cell Lysate at
 40ugLane 5: JURKAT Whole Cell Lysate at 40ugPredicted bind size: 45KDObserved bind
 size: 45KD

ADDITIONAL INFORMATION

Related Product Information for anti-SIRT7 antibody	Description: Rabbit IgG polyclonal antibody for NAD-dependent protein deacetylase sirtuin-7(SIRT7) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: SIRT7 is also known as SIR2L7. 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. The protein encoded by this gene is included in class IV of the sirtuin family.
References	1. Altered sirtuin expression is associated with node-positive breast cancer.Ashraf N, et al. Br J Cancer, 2006 Oct 23. 2. Molecular pathways: emerging roles of mammalian Sirtuin SIRT7 in cancer.Paredes S, et al. Clin Cancer Res, 2014 Apr 1. 3. Sirtuin 7 plays a role in ribosome biogenesis and protein synthesis.Tsai YC, et al. Mol Cell Proteomics, 2014 Jan.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7706712
NCBI GeneID	51547
NCBI Accession #	NP_057622.1
NCBI GenBank Nucleotide #	NM_016538.2
UniProt Accession #	Q9NRC8; Q3MIK4; Q9NSZ6; Q9NUS6; A8K2K0; B3KSU8
Molecular Weight	35,851 Da
NCBI Official Full Name	NAD-dependent protein deacetylase sirtuin-7
NCBI Official Synonym Full Names	sirtuin 7
NCBI Official Symbol	SIRT7
NCBI Official Synonym Symbols	SIR2L7
NCBI Protein Information	NAD-dependent protein deacetylase sirtuin-7
UniProt Protein Name	NAD-dependent protein deacetylase sirtuin-7
UniProt Gene Name	SIRT7

UniProt Synonym Gene Names	SIR2L7
UniProt Entry Name	SIR7_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/polyclonal/sirt7-antibody-immunohistochemistry-western-blot-elisa/46507>