

Rabbit SIRT2 Polyclonal Antibody | anti-SIRT2 antibody

SIRT2 Antibody

CATALOG # AAA39812	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot, ELISA
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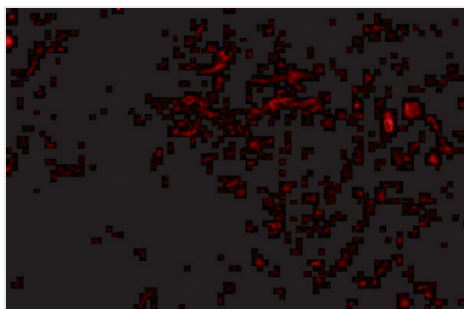
PRODUCT SYNONYMS

SIRT2; Polyclonal Antibody; SIRT2 Antibody; SIR2; SIR2L; SIR2L2; NAD-dependent protein deacetylase sirtuin-2; Regulatory protein SIR2 homolog 2; sirtuin (silent mating type information regulation 2 homolog) 2 (*S. cerevisiae*); anti-SIRT2 antibody

PRODUCT SPECIFICATIONS

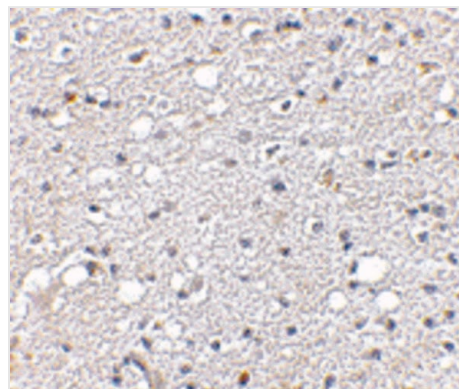
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	SIRT2 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	389
Applicable Applications for anti-SIRT2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	SIRT2 antibody was raised against a 17 amino acid synthetic peptide near the amino terminus of the human SIRT2.
Buffer	SIRT2 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	SIRT2 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



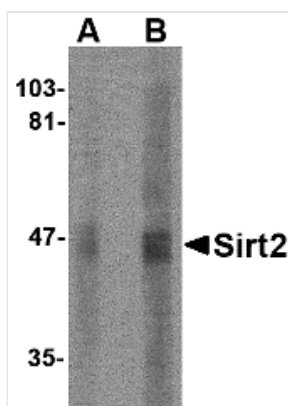
IF (Immunofluorescence)

Immunofluorescence of sirt2 in human brain tissue with sirt2 antibody at 20 µg/mL.



IHC (Immunohistochemistry)

Immunohistochemical staining of human brain tissue using Sirt2 antibody at 2.5 µg/mL.



WB (Western Blot)

Western blot analysis of SIRT2 in human brain lysate with SIRT2 antibody at (A) 2.5 and (B) 5 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-SIRT2 antibody

SIRT2 Antibody: Autophagy, the process of bulk degradation of cellular proteins through an autophagosomic-lysosomal pathway is important for normal growth control and may be defective in tumor cells. It is involved in the preservation of cellular nutrients under starvation conditions as well as the normal turnover of cytosolic components. This process is negatively regulated by TOR (Target of rapamycin) through phosphorylation of autophagy protein APG1. ATG16, another member of the autophagy protein family, forms a complex with the ATG5-ATG12 conjugate. This multimeric protein has been shown to be essential for autophagosome formation in both yeast and mammals and targets the ATG5-ATG12 complex to the autophagic isolation membrane during the formation of the autophagosome. Because mammalian ATG16 has seven WD-repeats in its C-terminal domain, it has been suggested that these may form a platform for further protein-protein interactions. Multiple isoforms of ATG16 are known to exist.

NCBI AND UNIPROT INFORMATION

NCBI GI #	13775600
NCBI GeneID	22933
NCBI Accession #	NP_036369
NCBI GenBank Nucleotide #	NM_012237.3
UniProt Accession #	Q8IXJ6; O95889; Q924Y7; Q9P0G8; Q9UNT0; Q9Y6E9; A8K3V1; B2RB45; U5TP13
Molecular Weight	35,654 Da
NCBI Official Full Name	NAD-dependent protein deacetylase sirtuin-2 isoform 1
NCBI Official Synonym Full Names	sirtuin 2
NCBI Official Symbol	SIRT2
NCBI Official Synonym Symbols	SIR2; SIR2L; SIR2L2
NCBI Protein Information	NAD-dependent protein deacetylase sirtuin-2; sirtuin type 2; SIR2-like protein 2; sir2-related protein type 2; silent information regulator 2; regulatory protein SIR2 homolog 2; NAD-dependent deacetylase sirtuin-2
UniProt Protein Name	NAD-dependent protein deacetylase sirtuin-2
UniProt Gene Name	SIRT2
UniProt Synonym Gene Names	SIR2L; SIR2L2
UniProt Entry Name	SIR2_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/sirt2-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/39812>