

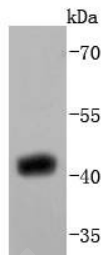
Anti-SIRT2 Antibody (4V247)

Product Details

Ig Type:	IgG
Reactivity:	Human,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 43 kDa.
Clone:	4V247
Purification:	ProA affinity purified

Applications

Verified Activity: 1. Western blot analysis of SIRT2 on human brain lysates using anti-SIRT2 antibody at 1/1,000 dilution.



Application:	WB
Recommended	WB: 1:1000-2000

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein
Uniprot ID:	Q8IXJ6
Synonyms:	Silent information regulator 2;SIR2L;NAD-dependent protein deacetylase sirtuin-2;SIR2L2; Silencing information regulator 2 like;Sirtuin (silent mating type information regulation 2 homolog) 2 (<i>S.cerevisiae</i>);NAD dependent deacetylase sirtuin 2;Regulatory protein SIR2 homolog 2;SIRT 2;SIRT2_HUMAN;Sir2 related protein type 2;SIR2, <i>S. cerevisiae</i> , homolog-loke 2; SIR2-like protein 2;Sirtuin 2;SIR2;NAD-dependent deacetylase sirtuin-2;FLJ35621;FLJ37491;SIR2 like protein 2;Sirtuin type 2

Research Background

The silent information regulator (SIR2) 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. In *S. cerevisiae*, Sir2p deacetylates histones in a NAD-dependent manner, which regulates silencing at the telomeric, rDNA and silent mating-type loci. Sir2p is the founding member of a large family, designated sirtuins,

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which contain a conserved catalytic domain. The human homologs, which include SIRT1-7, are divided into four main branches: SIRT1-3 are class I, SIRT4 is class II, SIRT5 is class III and SIRT6-7 are class IV. SIRT proteins may function via mono-ADP-ribosylation of proteins. SIRT2 contains a 323 amino acid catalytic core domain with a NAD-binding domain and a large groove which is the likely site of catalysis.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481