



## Rabbit Anti-SIRT2 antibody

SL7350R

<b>Product Name:</b>	SIRT2
<b>Chinese Name:</b>	沉默调节相关蛋白2抗体
<b>Alias:</b>	FLJ35621; FLJ37491; NAD dependent deacetylase sirtuin 2; NAD-dependent deacetylase sirtuin-2; Regulatory protein SIR2 homolog 2; Silencing information regulator 2 like; Silent information regulator 2; Silent mating type information regulation 2; Silent mating type information regulation 2 homolog; SIR 2; SIR2; SIR2 like; SIR2 like protein 2; Sir2 related protein type 2; SIR2-like protein 2; SIR2L; SIR2L2; SIRT 2; SIRT2; SIRT2_HUMAN; Sirtuin (silent mating type information regulation 2 homolog) 2 (S.cerevisiae); Sirtuin 2; Sirtuin type 2; Sirtuin2.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Horse,Rabbit,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	36kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human SIRT2:51-150/389
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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 I of the sirtuin family. Several transcript variants are resulted from alternative splicing of this gene. [provided by RefSeq, Jul 2010]

**Function:**

NAD-dependent protein deacetylase, which deacetylates the 'Lys-40' of alpha-tubulin. Involved in the control of mitotic exit in the cell cycle, probably via its role in the regulation of cytoskeleton.

**Subcellular Location:**

Cytoplasm, cytoskeleton. Colocalizes with microtubules.

**Tissue Specificity:**

Widely expressed. Highly expressed in heart, brain and skeletal muscle, while it is weakly expressed in placenta and lung. Down-regulated in many gliomas suggesting that it may act as a tumor suppressor gene in human gliomas possibly through the regulation of microtubule network.

**Post-translational modifications:**

Phosphorylated at the G2/M transition of the cell cycle.

**Similarity:**

Belongs to the sirtuin family.  
Contains 1 deacetylase sirtuin-type domain.

**SWISS:**

Q8IXJ6

**Gene ID:**

22933

**Database links:**

[Entrez Gene: 22933](#) Human

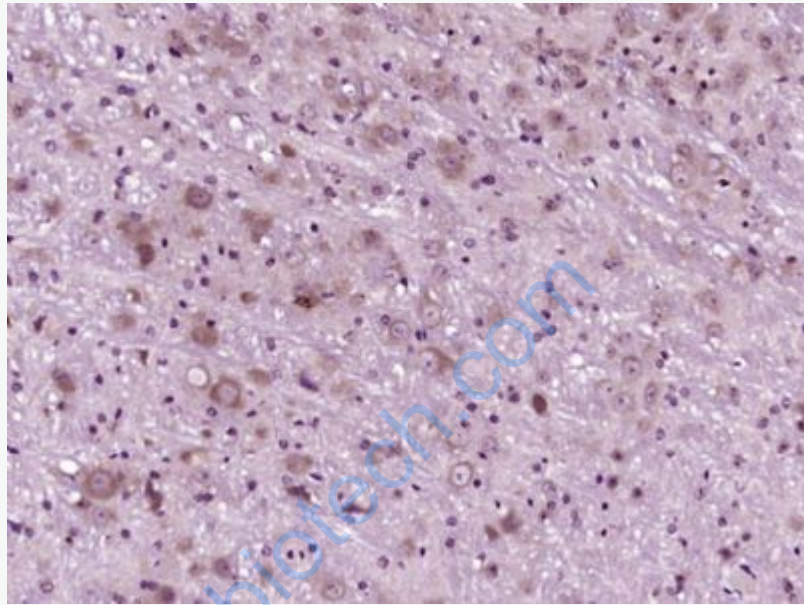
[Omic: 604480](#) Human

[SwissProt: Q8IXJ6](#) Human

[Unigene: 466693](#) Human

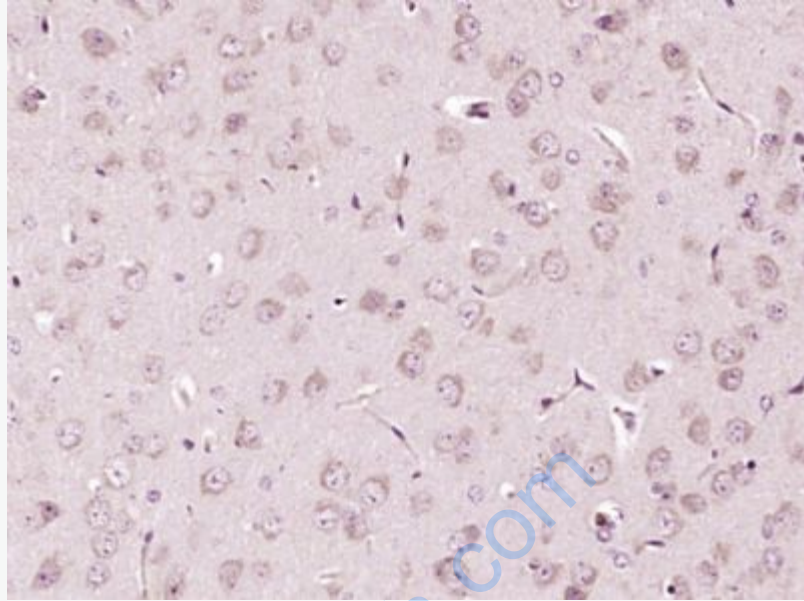
**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

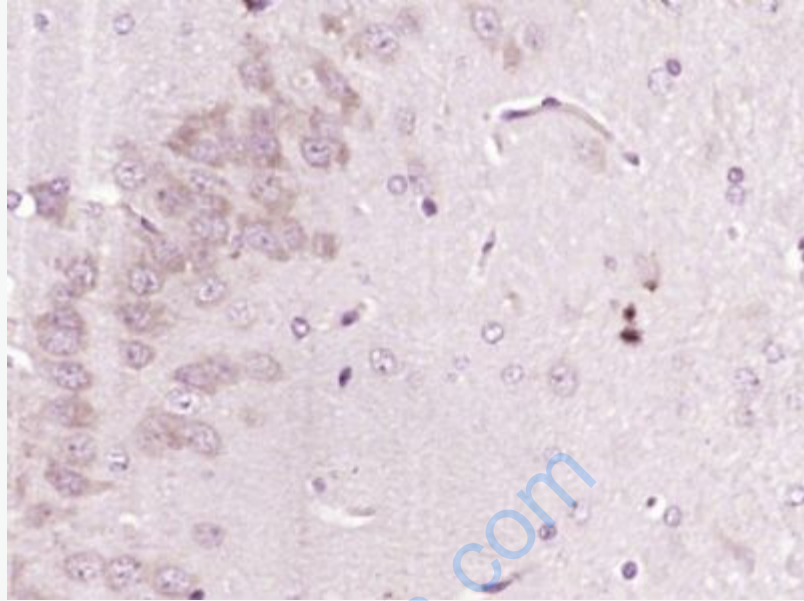


**Picture:**

Paraformaldehyde-fixed, paraffin embedded (Mouse cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SIRT2) Polyclonal Antibody, Unconjugated (SL7350R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SIRT2) Polyclonal Antibody, Unconjugated (SL7350R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SIRT2) Polyclonal Antibody, Unconjugated (SL7350R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.