SIRT2 Antibody

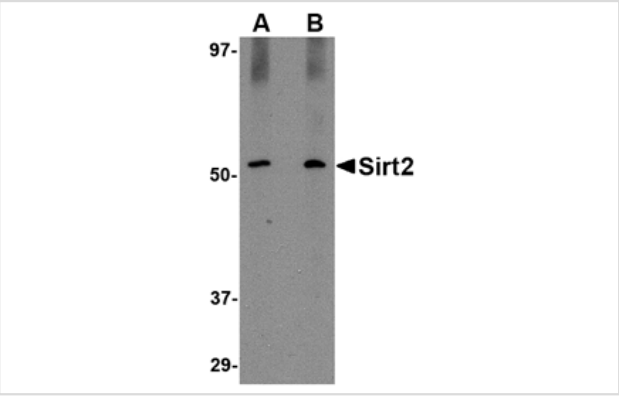
Catalog No: #24640

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

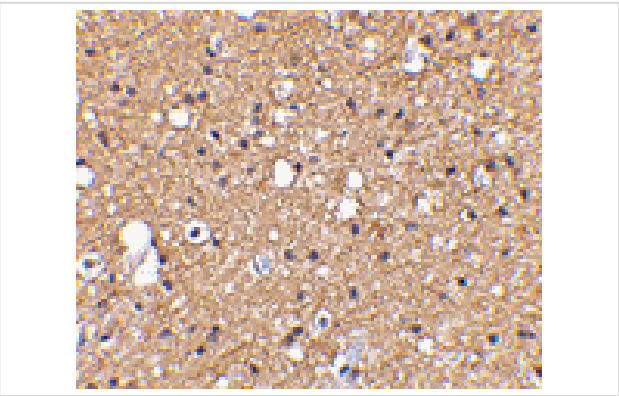
Description

Product Name	SIRT2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a 19 amino acid peptide near the carboxy terminus of the human SIRT2.
Target Name	SIRT2
Other Names	NAD-dependent deacetylase sirtuin-2, SIR2L, SIR2L2, SIR2-like
Accession No.	Swiss-Prot:Q8IXJ6Gene ID:22933
Uniprot	Q8IXJ6
GeneID	22933;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for 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



Western blot analysis of SIRT2 in Mouse brain lysate with SIRT2 antibody at (A) 1 and (B) 2 ug/mL.



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

Background

The founding member of the sirtuin protein family was the silent information regulator 2 protein (Sir2p) of Saccharomyces cervisiae, an NAD+-dependent histone deacetylase (HDAC) that regulates chromatin silencing. The SIR2 family of genes are highly conserved from prokaryotes to eukaryotes. Mammals have seven homologs of Sir2p, SIRT1-7, which are involved in diverse processes ranging from transcriptional regulation, cell cycle progression and DNA-damage repair to aging. SIRT2 is a predominantly cytoplasmic protein that colocalizes with microtubules and can deacetylate alpha-tubulin and regulate progression through the cell cycle. Most Sirtuins are highly expressed in brain and testis, while Sirt2 expression is higher in fetal relative to adult brain. Recent studies on SIRT2 support the therapeutic utility of inhibitors for the treatment of neurodegenerative diseases such as Parkinson's disease.

Note: This product is for in vitro research use only