Datasheet for ABIN500726

anti-SIRT2 antibody (N-Term)

2 Images

Go to Product page

Overview

Quantity:	0.1 mg
Target:	SIRT2
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SIRT2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	SIRT2 antibody was raised against a 17 amino acid peptide near the amino terminus of the human SIRT2.
Isotype:	IgG
Specificity:	This antibody detects SIRT2 / SIR2 at N-term.
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse, rat
Purification:	Peptide affinity chromtography

Target Details

Target:	SIRT2

Target Details

Alternative Name:	SIRT2 / SIR2 (SIRT2 Products)
Background:	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.Synonyms: NAD-dependent deacetylase sirtuin-2, SIR2-like protein 2, SIR2L, SIR2L2, SIRT-2, sirtuin (silent mating type information regulation 2 homolog) 2 (S. cerevisiae), sirtuin 2, sirtuin type 2, sirtuin-2
Gene ID:	22933
NCBI Accession:	NP_036369
UniProt:	Q8IXJ6

Application Details

Application Notes:	ELISA. Western blot: 2.5 - 5 µg/mL. Immunohistochemistry on paraffin sections. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

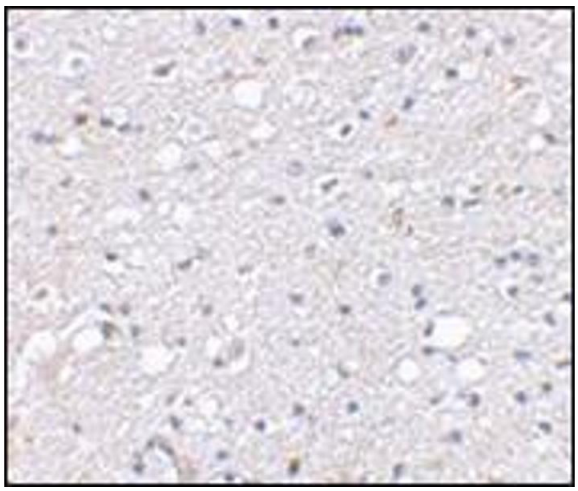
Handling

Buffer:	PBS containing 0.02 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C

Handling

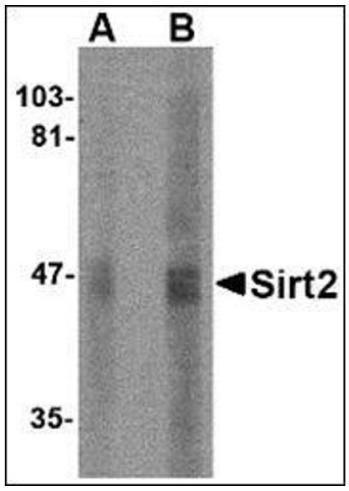
Storage Comment:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemical staining of human brain tissue using AP30786PU-N at 2.5 µg/ml.



Western Blotting

Image 2. Western blot analysis of SIRT2 in human brain lysate with this product at (A) 2.5 and (B) 5 µg/ml.