Datasheet for ABIN500724

anti-SIRT2 antibody (C-Term)

2 Images

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Overview

Quantity:	0.1 mg
Target:	SIRT2
Binding Specificity:	C-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 19 amino acid peptide near the carboxy terminus of the Human SIRT2.
Isotype:	IgG
Specificity:	This antibody detects SIRT2 / SIR2 at C-term.
Cross-Reactivity (Details):	Species reactivity (tested):Human, Mouse, Rat
Purification:	Peptide Affinity Chromatography

Target Details

Target:	SIRT2

Target Details

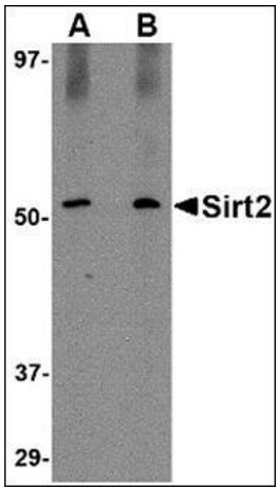
Alternative Name:	SIRT2 / SIR2 (SIRT2 Products)
Background:	The founding member of the sirtuin protein family was the silent information regulator 2 protein (Sir2p) of Saccharomyces cervisiae, an NAD+-dependent histone deacetylase (HDAC) that regulates chromatin silencing. The SIR2 family of genes are 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 ?-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.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: 1-2 µg/mL. Immunohistochemistry on Paraffin Sections. Positive Control: Mouse Brain Tissue Lysate. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

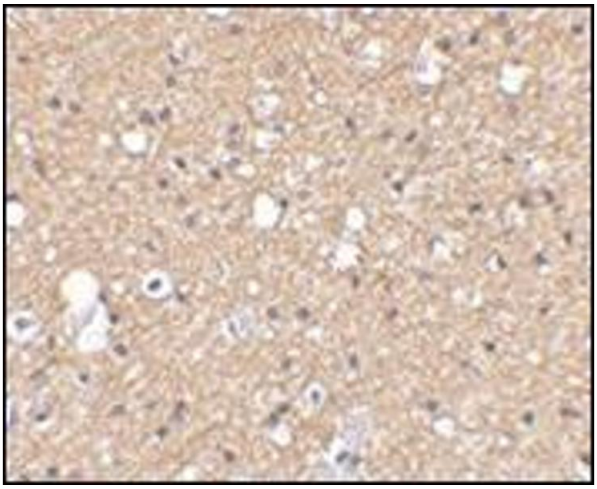
Handling

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.
Storage:	4 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C.



Western Blotting

Image 1. Western blot analysis of SIRT2 in Mouse brain lysate with AP30785PU-N SIRT2 antibody at (A) 1 and (B) 2 µg/ml.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemical staining of human brain tissue using AP30785PU-N SIRT2 antibody at 2.5 µg/ml.