

Datasheet for ABIN615066
anti-SIRT2 antibody (C-Term)[Go to Product page](#)

4 Images

Overview

Quantity:	50 µg
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 19 amino acid peptide near the carboxy terminus of the Human SIRT2 Genename: SIRT2
Specificity:	This antibody detects SIRT2 / SIR2 at C-term.
Cross-Reactivity (Details):	Species reactivity (tested): Human, Mouse, Rat.
Purification:	Immunoaffinity Chromatography

Target Details

Target:	SIRT2
Alternative Name:	SIRT2 / SIR2 (SIRT2 Products)

Target Details

Background: The founding member of the sirtuin protein family was the silent information regulator 2 protein (Sir2p) of *Saccharomyces cerevisiae*, 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 α -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: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

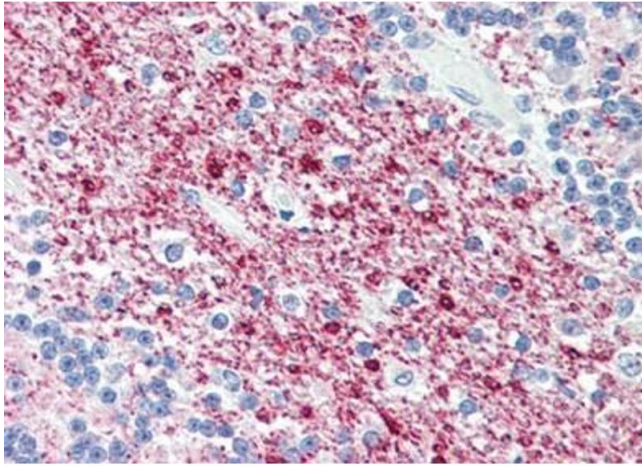
Buffer: PBS containing 0.02 % Sodium Azide

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

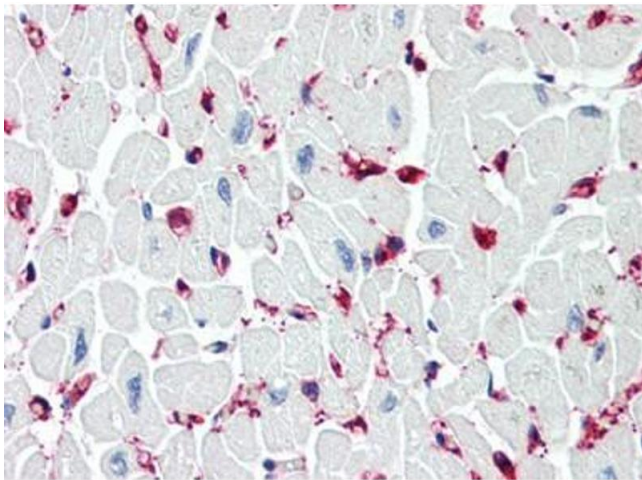
Storage: 4 °C

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



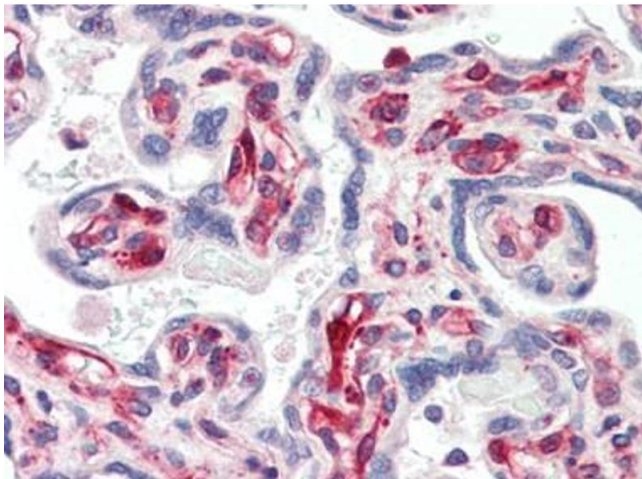
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Human Brain, Cerebellum (formalin-fixed, paraffin-embedded) stained with SIRT2at 5 µg/ml followed by biotinylated goat anti-rabbit IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Human Heart (formalin-fixed, paraffin-embedded) stained with SIRT2at 5 µg/ml followed by biotinylated goat anti-rabbit IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Human Placenta (formalin-fixed, paraffin-embedded) stained with SIRT2at 5 µg/ml followed by biotinylated goat anti-rabbit IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN615066.