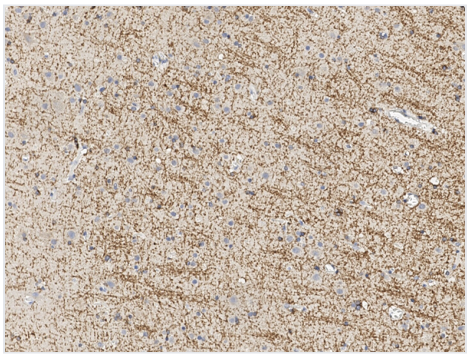
# SIRT2 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | SIRT2, Polyclonal Antibody |
| **Full Product Name** | Anti-SIRT2 Antibody, Rabbit Polyclonal |
| **Product Gene Name** | anti-SIRT2 antibody |
| **Product Synonym Names** | SIRT2 Antibody, Rabbit PAb, Antigen Affinity Purified; Anti-SIR2 Antibody; Anti-SIR2L Antibody; Anti-SIR2L2 Antibody; sirtuin 2 |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human |
| **Form/Format** | Liquid. PBS, pH7.0 with 0.03% Proclin300 |
| **Purity/Purification** | Protein A & Antigen Affinity |
| **Specificity** | Human SIRT2 |
| **Preparation and Storage** | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.<br>This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. |
| **Immunogen** | E Coli-derived Human SIRT2 fragment |
| **Conjugation** | Unconjugated |
| **Preparation** | Produced in rabbits immunized with E Coli-derived Human SIRT2 fragment, and purified by antigen affinity chromatography. |
| **Product Categories/Family for anti-SIRT2 antibody** | p53 Pathway |
| **Applications Tested/Suitable for anti-SIRT2 antibody** | Immunohistochemistry-Paraffin (IHC-P) |
| **Application Notes for anti-SIRT2 antibody** | IHC-P: 1:50-1:200 |
| **Related Product Information for anti-SIRT2 antibody** | Background: Sirtuin 2 (SIRT2) is a member of the human sirtuin family of proteins and possesses NAD+-dependent lysine deacetylase/deacylase activity. SIRT2 has been implicated in carcinogenesis in various cancers including leukemia and is considered an attractive target for cancer therapy. SIRT2, a member of the mammalian sirtuin family, plays an important role in the pathogenesis of various neurological diseases. SIRT2 may serve as a potential therapeutic target for the treatment of neuropathic pain. It has been reported that inhibition of sirtuin 2 (SIRT2), a sirtuin family protein, can decrease cellular and tissue injuries in models of Parkinson's disease (PD) and Huntington's disease (HD). SIRT2 could promote HBV replication. And then HBx-elevated SIRT2 could enhance the transformation of HBV-mediated HCC. |
| **Product References and Citations for anti-SIRT2 antibody** | Zhang Y, et al. (2018) Overexpression of sirt2 alleviates neuropathic pain and neuroinflammation through deacetylation of transcription factor nuclear factor-kappa b. Inflammation 41 (2): 569-578.Sarikhani M, et al. (2018) Sirt2 deacetylase represses nfat transcription factor to maintain cardiac homeostasis. J Biol Chem 293 (14): 5281-5294.Kudo N, et al. (2018) Identification of a novel small molecule that inhibits deacetylase but not defatty-acylase reaction catalysed by sirt2. Philos Trans R Soc Lond B Biol Sci 373 (1748): 20170070.Chen H, et al. (2015) Sirt2 is required for lipopolysaccharide-induced activation of bv2 microglia. Neuroreport 26 (2): 88-93. |

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| **Other Notes** | Small volumes of anti-SIRT2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |
| **Searchable Terms for SIRT2 purchase** | MBS8119408 is an antibody targeting SIRT2. Also known as Anti-SIRT2 Antibody, Rabbit Polyclonal. Reactive in Human. Host: Rabbit. |



**Immumohistochemistry (IHC) of anti-SIRT2 antibody**
Immunochemical staining of human SIRT2 in human brain with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SIRT2. It may not necessarily be applicable to this product.

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| **Protein Family** | NAD-dependent protein deacetylase |
| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |
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