SIRT2 Antibody (R31579)

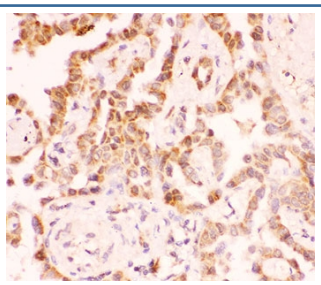
Catalog No.	Formulation	Size
R31579	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

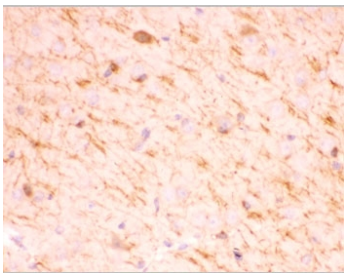
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
Gene ID	22933
Applications	Western blot: 0.5-1ug/ml IHC (FFPE): 0.5-1ug/ml
Limitations	This SIRT2 antibody is available for research use only.



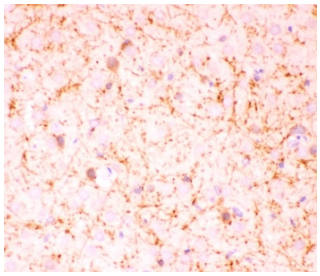
Western blot testing of SIRT2 antibody and Lane 1: rat spleen; 2: HeLa; 3: A549



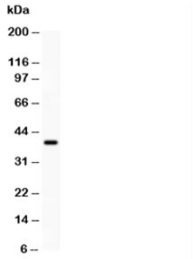
IHC-P: SIRT2 antibody testing of human lung cancer tissue



IHC-P testing of mouse brain tissue



IHC-P testing of rat brain tissue



Western blot testing of SIRT2 antibody and recombinant human protein (0.5ng)

Description

Sirtuin 2 is a predominantly cytoplasmic protein that colocalizes with microtubules. This gene encodes a member of the sirtuin family of proteins, homologs to the yeast Sir2 protein. Members of the sirtuin family are characterized by a sirtuin core domain and grouped into four classes. SIRT2 is mapped to 19q13.2. It is able to cause radioactivity to be transferred from (32P) NAD to bovine serum albumin (BSA). According to researches, it can act as a tubulin deacetylase. SIRT2 was found to deacetylate lys40 of alpha-tubulin both in vitro and in vivo. It is also a regulator of mitotic progression that acts downstream from CDC14B in a pathway regulating mitotic exit or subsequent cytokinesis. Additionally, SIRT2 is an important regulator of programmed necrosis.

Application Notes

The stated application concentrations are suggested starting points. Titration of the SIRT2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Amino acids 165-187 (YTQNIDTLERIAGLEQEDLVEAH-human) were used as the immunogen for this SIRT2 antibody.

Storage

After reconstitution, the SIRT2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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