

## SIRT2 Monoclonal antibody, PBS Only

Catalog Number: 66410-1-PBS

Featured Product

## Basic Information

## Catalog Number:

66410-1-PBS

## Size:

1 mg/ml

## Source:

Mouse

## Isotype:

IgG1

## Immunogen Catalog Number:

AG7756

## GenBank Accession Number:

BC003547

## GeneID (NCBI):

22933

## UNIPROT ID:

Q8IXJ6

## Full Name:

sirtuin (silent mating type  
information regulation 2 homolog) 2  
(*S. cerevisiae*)

## Calculated MW:

43 kDa

## Observed MW:

37-45 kDa

## Purification Method:

Protein G purification

## CloneNo.:

1D8G10

## Applications

## Tested Applications:

WB, Indirect ELISA, IHC, IF

## Species Specificity:

human, mouse, rat, pig

## Background Information

The silent information regulator (SIRT2) family of genes is highly conserved from prokaryotes to eukaryotes and is involved in diverse processes, including transcriptional regulation, cell cycle progression, DNA damage repair, and aging. SIRT2 contains a 323 amino acid catalytic core domain with a NAD-binding domain and a large groove which is the likely site of catalysis. SIRT2 is widely expressed and highly expressed in the heart, brain, and skeletal muscle, while it is weakly expressed in the placenta and lungs. Down-regulated in many gliomas suggesting that it may act as a tumor suppressor gene in human gliomas possibly through the regulation of the microtubule network. SIRT2 exists in various isoforms and the molecular weight of isoforms are 35 kDa, 40 kDa, and 42 kDa.

## Storage

## Storage:

Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

## Storage Buffer:

PBS Only

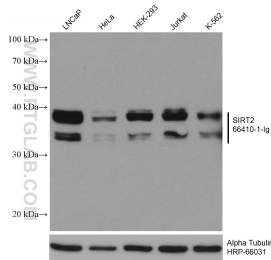
For technical support and original validation data for this product please contact:

T: 4006900926

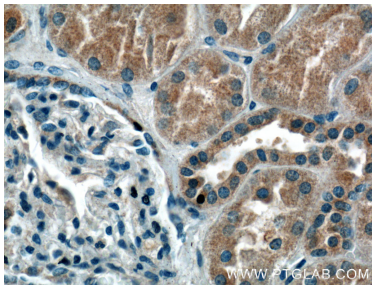
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

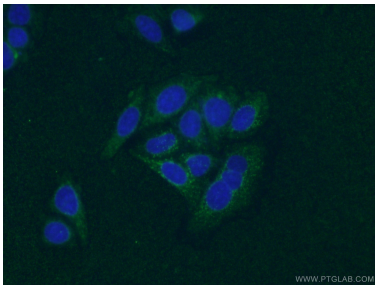
Selected Validation Data



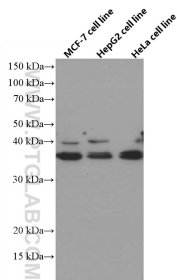
Various lysates were subjected to SDS PAGE followed by western blot with 66410-1-Ig (SIRT2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control. This data was developed using the same antibody clone with 66410-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 66410-1-Ig (SIRT2 Antibody) at dilution of 1:200 (under 40x lens). This data was developed using the same antibody clone with 66410-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol ) fixed HepG2 cells using 66410-1-Ig(SIRT2 antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66410-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 66410-1-Ig (SIRT2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66410-1-PBS in a different storage buffer formulation.