

# SIRT5 Monoclonal antibody, PBS Only

Catalog Number: 67257-1-PBS

## Basic Information

Catalog Number:

67257-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG7743

GenBank Accession Number:

BC000126

GeneID (NCBI):

23408

UNIPROT ID:

Q9NXA8

Full Name:

sirtuin (silent mating type  
information regulation 2 homolog) 5  
(*S. cerevisiae*)

Calculated MW:

34 kDa

Observed MW:

33 kDa

Purification Method:

Protein A purification

CloneNo.:

1F2B2

## Applications

Tested Applications:

WB, Indirect ELISA, IHC

Species Specificity:

Human

## Background Information

SIRT5, a member of sirtuin family that is a mitochondrial matrix NAD(+)-dependent deacetylase and mono-ADP-ribosyltransferases. Sirtuins play important role in various cellular processes, such as aging, gene silencing and metabolism. SIRT5 mainly locates in . It is an efficient protein lysine desuccinylase and demalonylase. During prolonged fasting, it can activate CPS1, the committed and regulated enzyme of the urea cycle, and contribute to the regulation of blood ammonia levels.

## Storage

Storage:

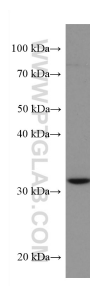
Store at -80°C.

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

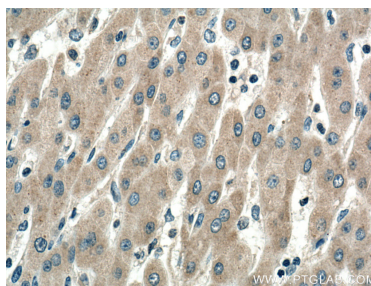
Storage Buffer:

PBS Only

## Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 67257-1-Ig (SIRT5 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67257-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 67257-1-Ig (SIRT5 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67257-1-PBS in a different storage buffer formulation.