

For Research Use Only

# SIRT5 Recombinant antibody, PBS Only

Catalog Number: 82246-1-PBS



## Basic Information

Catalog Number:

82246-1-PBS

Concentration:

1mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7195

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:

32-33 kDa

Purification Method:

Protein A purification

CloneNo.:

7L20

## Applications

Tested Applications:

WB, IF/ICC, Indirect ELISA

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 cytoplasm. 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 this contributes 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, pH7.3

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

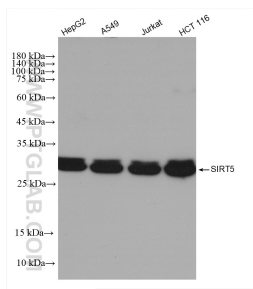
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

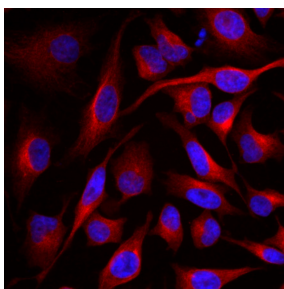
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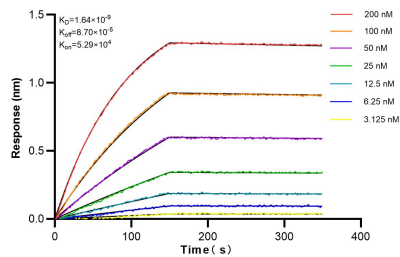
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82246-1-RR (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 82246-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using SIRT5 antibody (82246-1-RR, Clone: 7L20) at dilution of 1:1200 and Multi-rAb CoraLite® Plus 594-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR004). This data was developed using the same antibody clone with 82246-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 82246-1-RR against Human SIRT5 were performed. The affinity constant is 1.64 nM.