

For Research Use Only

# SIRT5 Recombinant antibody

Catalog Number: 82246-1-RR



## Basic Information

<b>Catalog Number:</b> 82246-1-RR	<b>GenBank Accession Number:</b> BC000126	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 23408	<b>CloneNo.:</b> 7L20
<b>Source:</b> Rabbit	<b>Full Name:</b> sirtuin (silent mating type information regulation 2 homolog) 5 (S. cerevisiae)	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IF 1:600-1:2400
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 34 kDa	
<b>Immunogen Catalog Number:</b> AG7195	<b>Observed MW:</b> 32-33 kDa	

## Applications

### Tested Applications:

IF, WB, ELISA

### Species Specificity:

Human, mouse

### Positive Controls:

WB : A549 cells, HepG2 cells, Jurkat cells, HCT 116 cells, RAW 264.7 cells

IF : HeLa cells,

## 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 -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

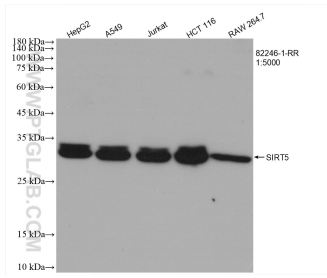
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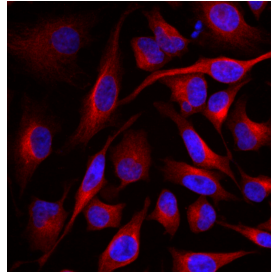
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## Selected Validation Data



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.



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<sup>®</sup> Plus 594-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR004).