



Datasheet for ABIN2779613  
**anti-SIRT5 antibody (Middle Region)**



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4 Images

Overview

Quantity:	100 µL
Target:	SIRT5
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Cow, Goat, Rabbit, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SIRT5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human SIRT5
Sequence:	LSGKGAPEPG TQDASIPVEK LPRCEEAGCG GLLRPHVWWF GENLDPAILE
Predicted Reactivity:	Cow: 77%, Goat: 77%, Human: 100%, Mouse: 77%, Pig: 85%, Rabbit: 85%
Characteristics:	This is a rabbit polyclonal antibody against SIRT5. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	SIRT5
Alternative Name:	SIRT5 ( <a href="#">SIRT5 Products</a> )

## Target Details

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Background:	<p>SIRT5 is 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. The functions of human sirtuins have not yet been determined, however, yeast sirtuin proteins are known to regulate epigenetic gene silencing and suppress recombination of rDNA. Studies suggest that the human sirtuins may function as intracellular regulatory proteins with mono-ADP-ribosyltransferase activity. The protein encoded by this gene is included in class III of the sirtuin family.</p> <p>Alias Symbols: SIR2L5</p> <p>Protein Interaction Partner: SIRT3, UBC, HECW2, APP, RELA,</p> <p>Protein Size: 299</p>
Molecular Weight:	33 kDa
Gene ID:	23408
NCBI Accession:	<a href="#">NM_031244</a> , <a href="#">NP_112534</a>
UniProt:	<a href="#">Q9NXA8</a>
Pathways:	<a href="#">SARS-CoV-2 Protein Interactome</a>

## Application Details

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Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 299 AA
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.

## Handling

Storage: -20 °C

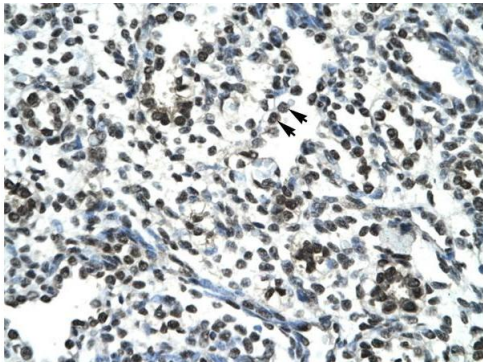
Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Images



### Western Blotting

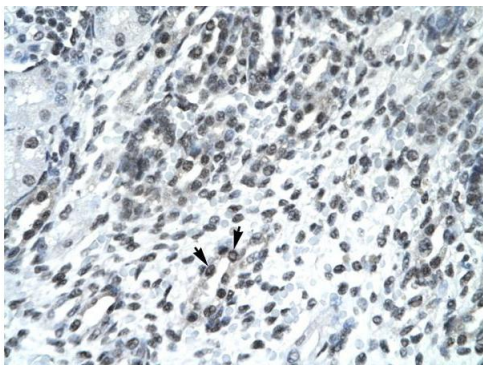
**Image 1.** WB Suggested Anti-SIRT5 Antibody Titration: 1.0-2.0ug/ml Positive Control: Jurkat cell lysate



Rabbit Anti-SIRT5 Antibody  
Catalog Number: ARP32391  
Lot Number: QC1866  
Paraffin Embedded Tissue: Human Lung  
Cells with Positive label: Alveolar cells (Indicated with Arrows)  
Antibody Concentration: 4.0-8.0 µg/ml  
Magnification: 400X

### Immunohistochemistry

**Image 2.** Human Lung



Rabbit Anti-SIRT5 Antibody  
Catalog Number: ARP32391  
Lot Number: QC1866  
Paraffin Embedded Tissue: Human Kidney  
Cells with Positive label: Epithelial cells of renal tubule (Indicated with Arrows)  
Antibody Concentration: 4.0-8.0 µg/ml  
Magnification: 400X

### Immunohistochemistry

**Image 3.** Human kidney

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2779613.

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