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Datasheet for ABIN1387080

## anti-SIRT5 antibody (AA 120-170)

2 Images

1 Publication

### Overview

Quantity:	100 µL
Target:	SIRT5
Binding Specificity:	AA 120-170
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SIRT5 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human SIRT5
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

### Target Details

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

## Target Details

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Background:	<p>Synonyms: SIR2L5, NAD-dependent protein deacylase sirtuin-5, mitochondrial, Regulatory protein SIR2 homolog 5, SIR2-like protein 5, SIRT5</p> <p>Background: NAD-dependent lysine demalonylase and desuccinylase that specifically removes malonyl and succinyl groups on target proteins. Activates CPS1 and contributes to the regulation of blood ammonia levels during prolonged fasting: acts by mediating desuccinylation of CPS1, thereby increasing CPS1 activity in response to elevated NAD levels during fasting. Activates SOD1 by mediating its desuccinylation, leading to reduced reactive oxygen species. Has weak NAD-dependent protein deacetylase activity, however this activity may not be physiologically relevant in vivo. Can deacetylate cytochrome c (CYCS) and a number of other proteins in vitro.</p>
Gene ID:	23408
UniProt:	<a href="#">Q9NXA8</a>
Pathways:	<a href="#">SARS-CoV-2 Protein Interactome</a>

## Application Details

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Application Notes:	<p>WB 1:300-5000</p> <p>FCM 1:20-100</p> <p>IHC-P 1:200-400</p> <p>IHC-F 1:100-500</p> <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p>
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C

## Handling

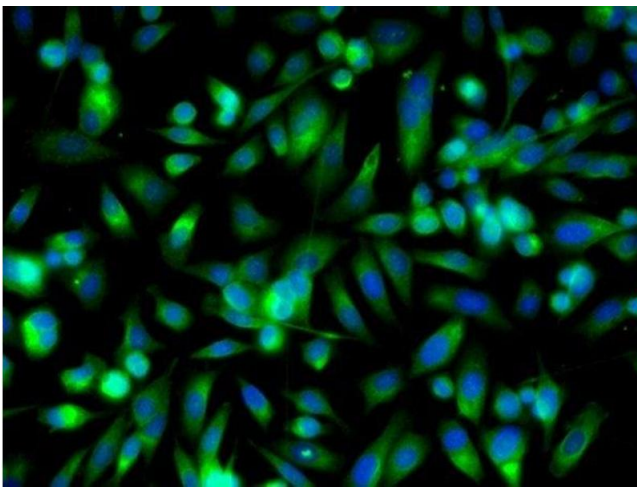
Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

## Publications

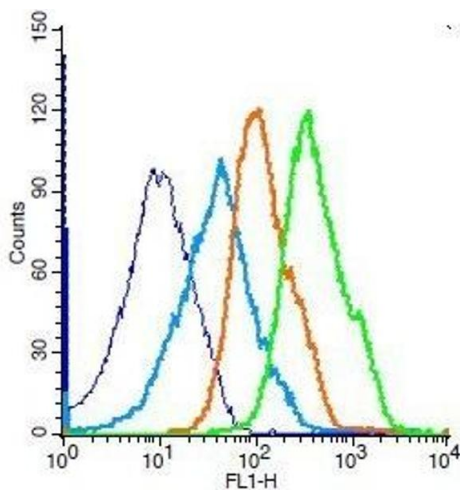
Product cited in: Takumida, Takumida, Anniko: "Localization of sirtuins in the mouse inner ear." in: **Acta otolaryngologica**, Vol. 134, Issue 4, pp. 331-8, (2014) ([PubMed](#)).

## Images



### Immunofluorescence (Cultured Cells)

**Image 1.** Image provided by One World Lab validation program. PC3 cells probed with SIRT5 Polyclonal Antibody at 1:50 for 60 minutes at room temperature followed by Goat Anti-Rabbit IgG (H+L) Alexa Fluor 488 Conjugated secondary antibody.



### Flow Cytometry

**Image 2.** Mouse splenocytes probed with Rabbit Anti-SIRT5 Polyclonal Antibody, Unconjugated .