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anti-SIRT5 antibody (C-Term)



Overview

Clonality:



Quantity:	100 μL
Target:	SIRT5
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Goat, Rabbit, Guinea Pig, Dog, Zebrafish (Danio rerio), Horse
Host:	Rabbit

Conjugate:	This SIRT5 antibody is un-conjugated

Application: Western Blotting (WB), Immunohistochemistry (IHC)

Polyclonal

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human SIRT5
Sequence:	EVDRELAHCD LCLVVGTSSV VYPAAMFAPQ VAARGVPVAE FNTETTPATN
Predicted Reactivity:	Cow: 93%, Dog: 93%, Goat: 100%, Guinea Pig: 100%, Horse: 93%, Human: 100%, Mouse: 92%, Rabbit: 93%, Rat: 93%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against SIRT5. It was validated on Western Blot and immunohistochemistry.
Purification:	Affinity Purified

Target Details

Target:	SIRT5

Target Details

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Alternative Name:	SIRT5 (SIRT5 Products)	
Background:	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. Alternative splicing of this gene results in two transcript variants.	
	Alias Symbols: SIR2L5	
	Protein Interaction Partner: SIRT3, UBC, HECW2, APP, RELA,	
	Protein Size: 299	
Molecular Weight:	32 kDa	
Gene ID:	23408	
NCBI Accession:	NM_031244, NP_112534	
UniProt:	Q9NXA8	
Pathways:	SARS-CoV-2 Protein Interactome	
Application Details		
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.	
Comment:	Antigen size: 299 AA	
Restrictions:	For Research Use only	
Handling		
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.	

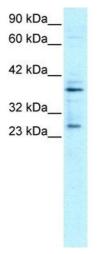
Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
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



Rabbit Anti-SIRT5 Antibody
Catalog Number: ARP32390
Lot Number: QC1865BG
Paraffin Embeded Tissue: Human Intestine
Cells with Positive labet: Epithelial Cells of Intestinal Villus(Indicated with Arrows)
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X

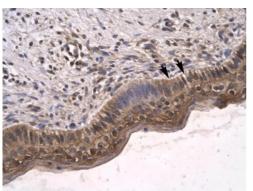


Immunohistochemistry

Image 1. Human Intestine

Western Blotting

Image 2. WB Suggested Anti-SIRT5 Antibody Titration: 0.2-1 ug/ml Positive Control: HepG2 cell lysate



Rabbit Anti-SIRT5 Antibody
Catalog Number: ARP32390
Lot Number: QC1865BG
Paraffin Embeded Tissue: Human Spermatophore
Cells with Positive label: Epithelial Cells (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 μg/ml
Magnification: 400X

Immunohistochemistry

Image 3. Human Spermatophore