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Datasheet for ABIN2779607 anti-SIRT1 antibody (N-Term)

4 Images

5 Publications



Overview

Quantity:	100 μL	
Target:	SIRT1	
Binding Specificity:	N-Term	
Reactivity:	Human, Mouse, Rat, Dog, Rabbit, Cow, Zebrafish (Danio rerio), Guinea Pig, Horse	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This SIRT1 antibody is un-conjugated	
Application:	Western Blotting (WB)	

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human SIRT1	
Sequence:	PETIPPPELD DMTLWQIVIN ILSEPPKRKK RKDINTIEDA VKLLQECKKI	
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 85%	
Characteristics:	This is a rabbit polyclonal antibody against SIRT1. It was validated on Western Blot using a cell lysate as a positive control.	
Purification:	Affinity Purified	
Target Details		
Target:	SIRT1	

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Target Details		
Alternative Name:	SIRT1 (SIRT1 Products)	
Background:	SIRT1 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,	
	Alias Symbols: SIR2L1	
	Protein Interaction Partner: SIRT2, KAT5, IRS1, ING2, ING1, HSP90AA1, AR, EP300, CDK1,	
	CCNB1, RPS19BP1, KAT8, CLOCK, IRS2, UBE2I, TP53, STK11, WRN, PPARGC1A, FOXO1, VHL,	
	UBC, E2F1, PSME3, KCNA5, KCNA4, KCNAB2, POP1, PPARA, CAP1, KIAA1598, TPM4, FASN,	
	CDKL1, HIC1, HDAC4, CHD3, CDK6, S	
	Protein Size: 747	
Molecular Weight:	82 kDa	
Gene ID:	23411	
NCBI Accession:	NM_012238, NP_036370	
UniProt:	Q96EB6	
Pathways:	MAPK Signaling, Intracellular Steroid Hormone Receptor Signaling Pathway, Regulation of	
	Intracellular Steroid Hormone Receptor Signaling, Carbohydrate Homeostasis, Positive	
	Regulation of Endopeptidase Activity, Regulation of Carbohydrate Metabolic Process, Positive	
	Regulation of Response to DNA Damage Stimulus, Negative Regulation of intrinsic apoptotic	
	Signaling	

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.	
Comment:	Antigen size: 747 AA	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Format: Concentration:	Liquid Lot specific	

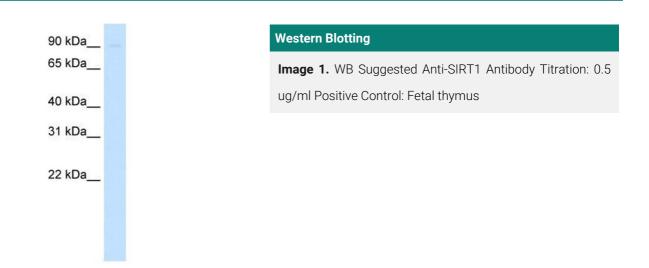
Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/4 | Product datasheet for ABIN2779607 | 09/11/2023 | Copyright antibodies-online. All rights reserved.

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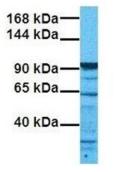
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Handling Advice:	Avoid repeated freeze-thaw cycles.	
Storage:	-20 °C	
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.	
Publications		
Product cited in:	Zhang, Muralimanoharan, Wortman, Mendelson: "Primate-specific miR-515 family members inhibit key genes in human trophoblast differentiation and are upregulated in preeclampsia." in: Proceedings of the National Academy of Sciences of the United States of America , (2016) (

PubMed).

Images



SIRT1



Western Blotting

Image 2. Host: Rabbit Target Name: SIRT1 Sample Tissue: Human 786-0 Antibody Dilution: 1.0ug/ml

Western Blotting

Image 3. Lanes: 1. 45ug capan1 cell lysate 2. 45 ug HPAF cell lysate Primary Antibody Dilution: 1:1000 Secondary Antibody: Anti-Rabbit HRP Secondary Antibody Dilution: 1:5000 Gene Name: SIRT1 Submitted by: Dr. Pankaj Singh, UNMC, Omaha, NE

See Immunoblot 2 Data and Customer Feedback for more information

Please check the product details page for more images. Overall 4 images are available for ABIN2779607.

