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Datasheet for ABIN2779654 anti-SIRT4 antibody (Middle Region)

6 Images



Overview

Quantity:	100 μL
Target:	SIRT4
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Dog, Pig, Horse, Rabbit, Sheep, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SIRT4 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 SIRT4
Sequence:	QVPTCVQCGG HLKPDVVFFG DTVNPDKVDF VHKRVKEADS LLVVGSSLQV
Predicted Reactivity:	Cow: 93%, Dog: 79%, Guinea Pig: 79%, Horse: 79%, Human: 100%, Mouse: 93%, Pig: 86%, Rabbit: 93%, Rat: 93%, Sheep: 92%
Characteristics:	This is a rabbit polyclonal antibody against SIRT4. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified
Target Details	
Target:	SIRT4

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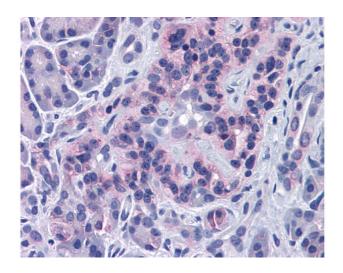
Target Details	
Alternative Name:	SIRT4 (SIRT4 Products)
Background:	SIRT4 is a member of the sirtuin family of proteins, homologs to the yeast Sir2 protein.
	Members of the sirtuin family are characterized by a sirtuin core domain and grouped into four
	classes. The functions of human sirtuins have 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. SIRT4 is included in class IV of the sirtuin family.This
	gene encodes 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 IV
	of the sirtuin family.
	Alias Symbols: MGC130046, MGC130047, MGC57437, SIR2L4, sirtuin 4
	Protein Interaction Partner: SKP2, Glud1, UBC, SIRT3, IDE, SLC25A6, SLC25A5,
	Protein Size: 314
Molecular Weight:	35 kDa
Gene ID:	23409
NCBI Accession:	NM_012240, NP_036372
UniProt:	Q9Y6E7
Pathways:	Negative Regulation of Hormone Secretion
Application Details	
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 314 AA
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	Lot specific

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Handling

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.
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



90 kDa_ 65 kDa___ 40 kDa 31 kDa_ 22 kDa___

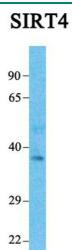
Immunohistochemistry

Image 1.

Western Blotting

Image 2. WB Suggested Anti-SIRT4 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: MCF7 cell lysate

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Western Blotting

Image 3. Host: Rabbit Target Name: SIRT4 Sample Tissue: Human Fetal Liver Antibody Dilution: 1.0ug/ml

Please check the product details page for more images. Overall 6 images are available for ABIN2779654.