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anti-SIRT4 antibody (N-Term)

Images



Overview	
Quantity:	100 μL
Target:	SIRT4
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Pig, Horse, Rabbit, Sheep, Guinea Pig, Goat, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SIRT4 antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Immunogen:	The immunogen is a synthetic pentide directed towards the N terminal region of human SIRT4

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human SIRT4
Sequence:	ASPPLDPEKV KELQRFITLS KRLLVMTGAG ISTESGIPDY RSEKVGLYAR
Predicted Reactivity:	Cow: 100%, Dog: 100%, Goat: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%, Sheep: 100%, Zebrafish: 100%
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

Tarnet:	SIRT4		
Target:	31N 14		

Target Details

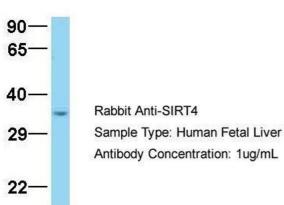
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Alternative Name:	SIRT4 (SIRT4 Products)	
Background:	SIRT4 is a member of the sirtuin family of proteins, homologs to the yeast Sir2 protein.	
	Members of the sirtuin family are characterized by a sirtuin core domain and grouped into fou	
	classes. 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 fou	
	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	
JniProt:	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	

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.

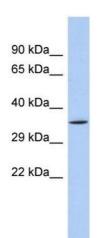
Images





Western Blotting

Image 1. Host: Rabbit Target Name: SIRT4 Sample Type: Human Fetal Liver Antibody Dilution: 1.0ug/ml



Western Blotting

Image 2. WB Suggested Anti-SIRT4 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Human Small Intestine

SIRT4

90 kDa— 65 kDa— 40 kDa— 29 kDa—

Western Blotting

Image 3. Host: Rabbit Target Name: SIRT4 Sample Tissue: Human HepG2 Antibody Dilution: 1.0ug/ml