

Rabbit SIRT4 Polyclonal Antibody | anti-SIRT4 antibody

SIRT4 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA23411	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Sheep	Immunohistochemistry, Western Blot

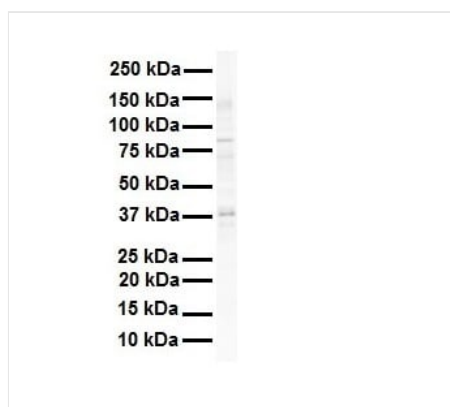
PRODUCT SYNONYMS

SIRT4; Polyclonal Antibody; SIRT4 antibody - middle region; anti-SIRT4 antibody

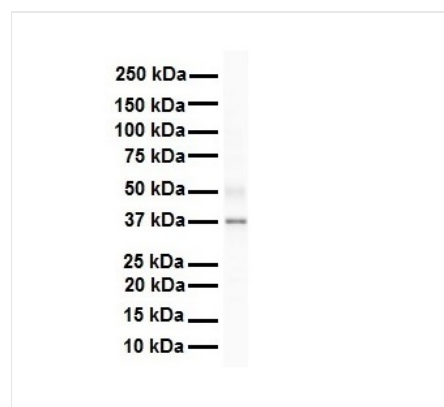
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Sheep
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: QV PTCVQC GGH L KPDVVF FGD T VNPDKVDFVH KRVKEADSL L VVGSSLQV
Sequence Length	314
Applicable Applications for anti-SIRT4 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Homology	Cow: 93%; Dog: 79%; Guinea Pig: 79%; Horse: 79%; Human: 100%; Mouse: 93%; Pig: 86%; Rabbit: 93%; Rat: 93%; Sheep: 92%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human SIRT4
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

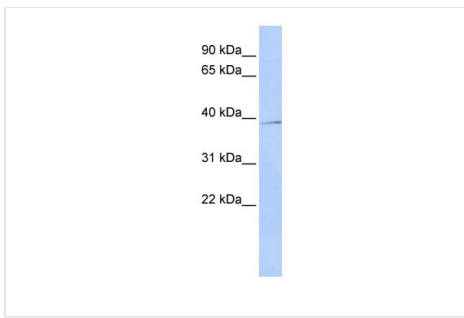
IMAGES


WB (Western Blot)

WB Suggested Anti-SIRT4 antibody Titration: 1 ug/mL Sample Type: Human Raji

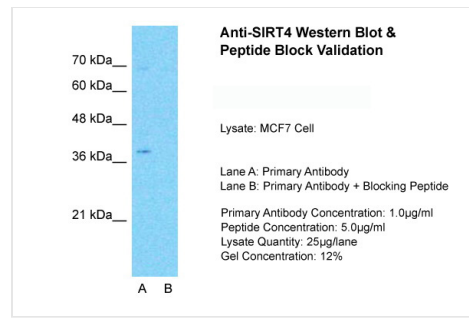

WB (Western Blot)

WB Suggested Anti-SIRT4 antibody Titration: 1 ug/mL Sample Type: Human Liver



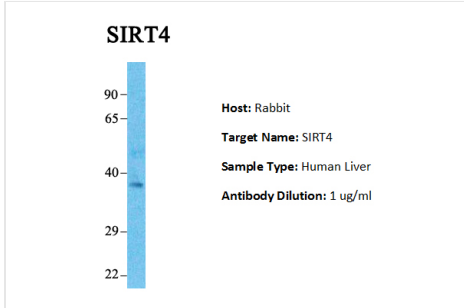
WB (Western Blot)

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



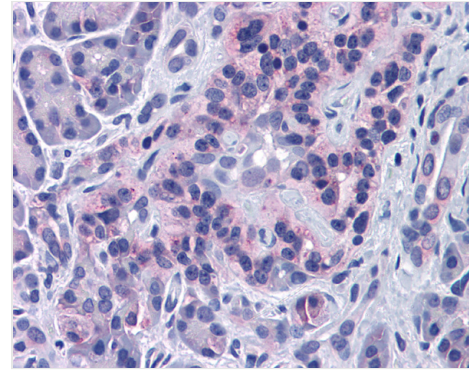
WB (Western Blot)

Host: Rabbit
Target Name: SIRT4
Sample Type: MCF7
Lane A: Primary Antibody
Lane B: Primary Antibody + Blocking Peptide
Primary Antibody Concentration: 1.0ug/ml
Peptide Concentration: 5.0ug/ml
Lysate Quantity: 25ug/lane
Gel Concentration: 12%



WB (Western Blot)

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



IHC (Immunohistochemistry)

Pancreas

ADDITIONAL INFORMATION

Related Product Information for anti-SIRT4 antibody	This is a rabbit polyclonal antibody against SIRT4. It was validated on Western Blot using a cell lysate as a positive control. Target Description: 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.
Product Categories/Family for anti-SIRT4 antibody	Polyclonal; Transcription Factor; Signal Proteins; Chromatin & Nuclear Signaling; Disease Related; DNA/RNA/Protein Interactions; Immunohistochemistry

NCBI AND UNIPROT INFORMATION

NCBI GI #	6912662
NCBI GeneID	23409
NCBI Accession #	NP_036372
NCBI GenBank Nucleotide #	NM_012240
UniProt Accession #	Q9Y6E7
Molecular Weight	35kDa

NCBI Official Full Name	NAD-dependent protein lipoamidase sirtuin-4, mitochondrial
NCBI Official Synonym Full Names	sirtuin 4
NCBI Official Symbol	SIRT4
NCBI Official Synonym Symbols	SIR2L4
NCBI Protein Information	NAD-dependent protein lipoamidase sirtuin-4, mitochondrial
UniProt Protein Name	NAD-dependent protein deacetylase sirtuin-4
UniProt Gene Name	SIRT4
UniProt Entry Name	SIR4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/sirt4-antibody-immunohistochemistry-western-blot-elisa/23411>