

Datasheet for ABIN6147796
anti-SIRT4 antibody (AA 29-260)



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4 Images

Overview

Quantity:	100 µL
Target:	SIRT4
Binding Specificity:	AA 29-260
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SIRT4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 29-260 of human SIRT4 (NP_036372.1).
Sequence:	IGLVFPASPP LDPEKVKELQ RFITLSKRLL VMTGAGISTE SGIPDYRSEK VGLYARTDRR PIQHGFVRS APIRQRYWAR NFGWQPQFSS HQPNPAHWAL STWEKLGKLY WLVTQNV DAL HTKAGSRRLT ELHGCMRVL CLDCGEQTPR GVLQERFQVL NPTWSAEAHG LAPDGDVFLS EEQVRSFQVP TCVQCGGHLK PDVFFGDTV NPKVDFVHK RVKEADSLLV VG
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

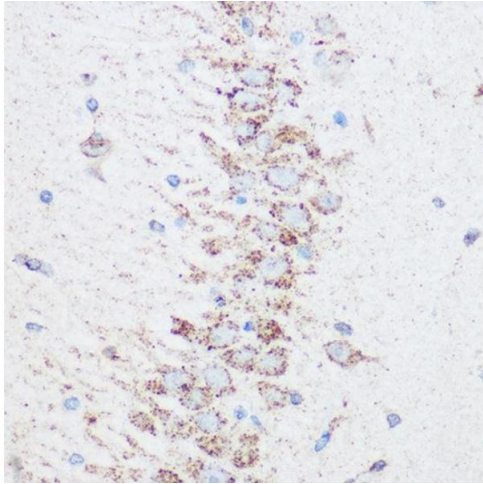
Target:	SIRT4
Alternative Name:	SIRT4 (SIRT4 Products)
Background:	This gene encodes a member of the sirtuin family of proteins, homologs to the yeast Sir2 protein. Members of the sirtuin family are characterized by a sirtuin core domain and grouped into four classes. The functions of human sirtuins 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.,SIRT4,SIR2L4,sirtuin 4,Epigenetics & Nuclear Signaling,SIRT4
Molecular Weight:	35 kDa
Gene ID:	23409
UniProt:	Q9Y6E7
Pathways:	Negative Regulation of Hormone Secretion

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

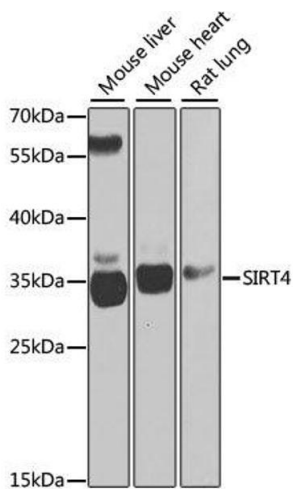
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



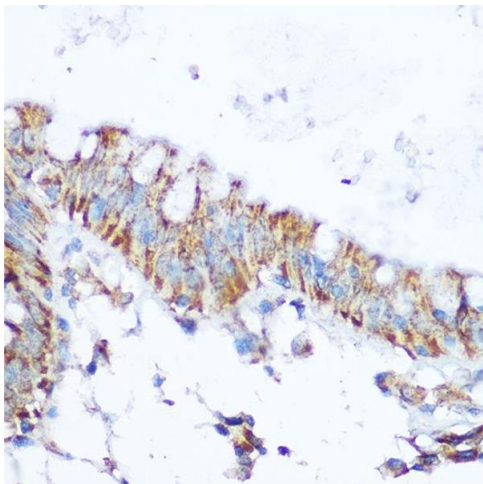
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded rat brain using SIRT4 Rabbit pAb (ABIN6129330, ABIN6147796, ABIN6147797 and ABIN6223494) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using SIRT4 antibody.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human colon using SIRT4 Rabbit pAb (ABIN6129330, ABIN6147796, ABIN6147797 and ABIN6223494) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6147796.