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

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 NFGVWPQFSS 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

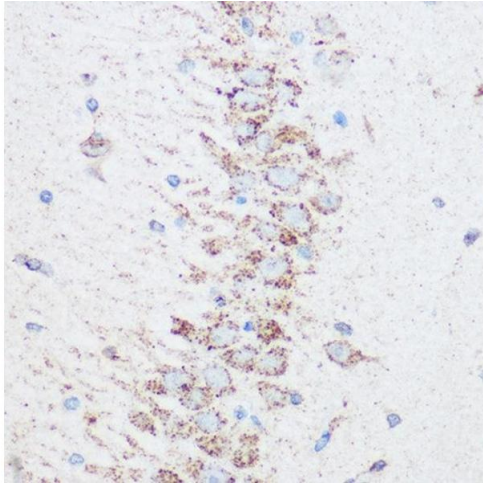
| | |
|-------------------|---|
| Target: | SIRT4 |
| Alternative Name: | SIRT4 (SIRT4 Products) |
| Background: | This gene encodes a member of the sirtuin family of proteins, homologs to the yeast Sir2 protein. Members of the sirtuin family are characterized by a sirtuin core domain and grouped into 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 |

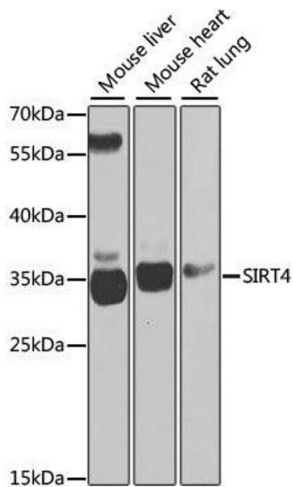
Handling

| | |
|--------------------|--|
| 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. |



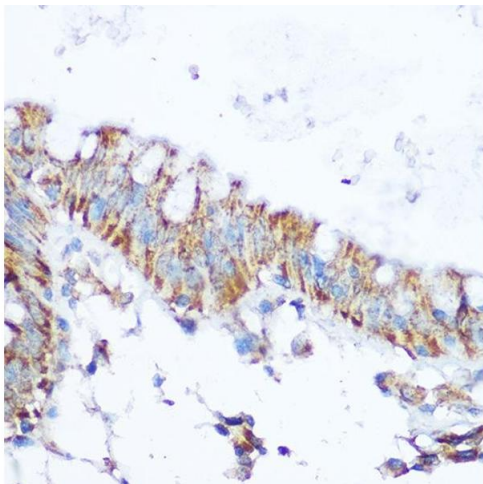
Immunohistochemistry

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.