

# Product Datasheet

## Sirtuin 5/SIRT5 Antibody - BSA Free NBP1-86013

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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### Publications: 1

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**NBP1-86013**

Sirtuin 5/SIRT5 Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

**Product Description**

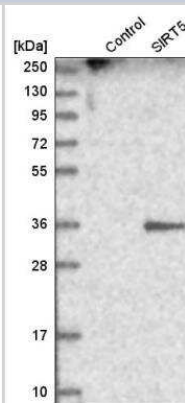
<b>Host</b>	Rabbit
<b>Gene ID</b>	23408
<b>Gene Symbol</b>	SIRT5
<b>Species</b>	Human
<b>Reactivity Notes</b>	Human reactivity reported in scientific literature (PMID: 26658802).
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: AILEEVDRELAHCDLCLVVGTSVVYP AAMFAPQVAARGVPVAEFNTETTPATN RFRFHFQGPCGTTLPEAL

**Product Application Details**

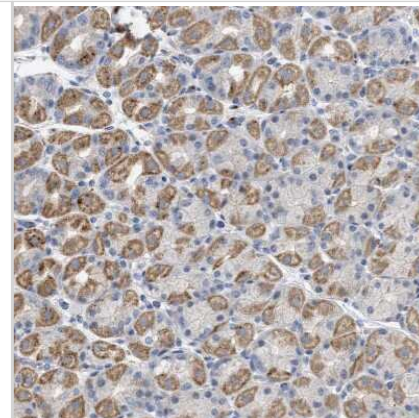
<b>Applications</b>	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:20 - 1:50, Immunohistochemistry-Paraffin 1:20 - 1:50
<b>Application Notes</b>	WB reported in scientific literature (PMID: 26658802). For IHC-Paraffin, HIER pH 6 retrieval is recommended.

**Images**

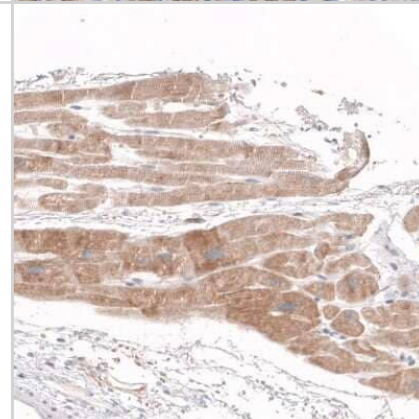
Western Blot: Sirtuin 5/SIRT5 Antibody [NBP1-86013] - Analysis in control (vector only transfected HEK293T lysate) and SIRT5 over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (~3.1 kDa) in mammalian HEK293T cells, LY415885).



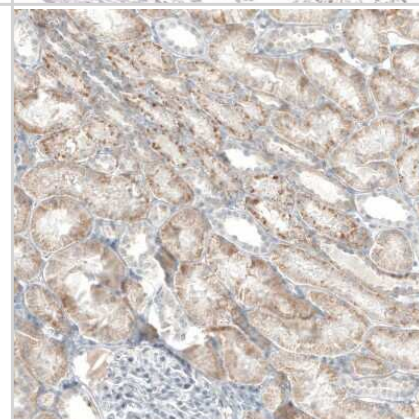
Immunohistochemistry-Paraffin: Sirtuin 5/SIRT5 Antibody [NBP1-86013]  
- Staining of human Stomach shows moderate granular cytoplasmic positivity in glandular cells.



Immunohistochemistry-Paraffin: Sirtuin 5/SIRT5 Antibody [NBP1-86013]  
- Staining of human heart muscle shows moderate to strong granular cytoplasmic positivity.



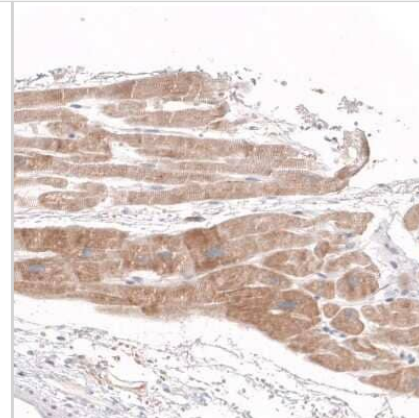
Immunohistochemistry-Paraffin: Sirtuin 5/SIRT5 Antibody [NBP1-86013]  
- Staining of human kidney shows moderate to strong granular cytoplasmic positivity in cells in tubules.



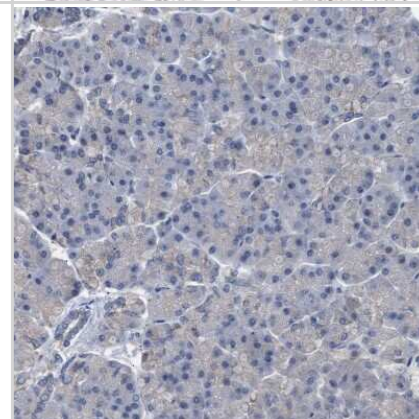
Immunohistochemistry-Paraffin: Sirtuin 5/SIRT5 Antibody [NBP1-86013]  
- Staining of human pancreas shows weak cytoplasmic positivity in exocrine glandular.



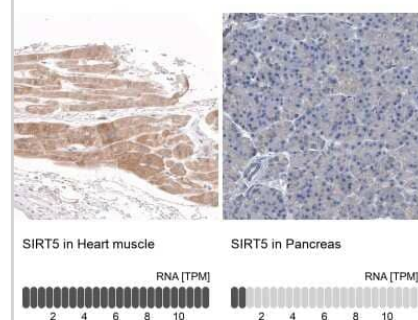
Immunohistochemistry-Paraffin: Sirtuin 5/SIRT5 Antibody [NBP1-86013]  
 - Staining of human heart muscle shows moderate to strong granular cytoplasmic positivity.



Immunohistochemistry-Paraffin: Sirtuin 5/SIRT5 Antibody [NBP1-86013]  
 - Staining of human pancreas shows no positivity in exocrine glandular cells as expected.



Immunohistochemistry-Paraffin: Sirtuin 5/SIRT5 Antibody [NBP1-86013]  
 - Analysis in human heart muscle and pancreas tissues using NBP1-86013 antibody. Corresponding SIRT5 RNA-seq data are presented for the same tissues.



## Publications

Lv XB, Liu L, Cheng C et al. SUN2 exerts tumor suppressor functions by suppressing the Warburg effect in lung cancer. Sci Rep 2015-12-10 [PMID: 26658802] (WB, Human)



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### **Products Related to NBP1-86013**

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NBP1-86013PEP	Sirtuin 5/SIRT5 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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