

# Product Datasheet

## Sirtuin 5/SIRT5 Antibody (OTI2F1) NBP2-01003

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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**NBP2-01003**

Sirtuin 5/SIRT5 Antibody (OTI2F1)

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	0.24 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	OTI2F1
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
<b>Target Molecular Weight</b>	33.7 kDa

**Product Description**

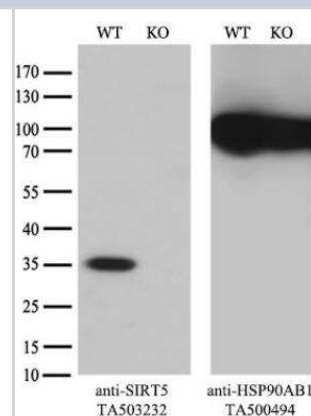
<b>Host</b>	Mouse
<b>Gene ID</b>	23408
<b>Gene Symbol</b>	SIRT5
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
<b>Immunogen</b>	Full length human recombinant protein of human SIRT5(NP_036373) produced in HEK293 cell.

**Product Application Details**

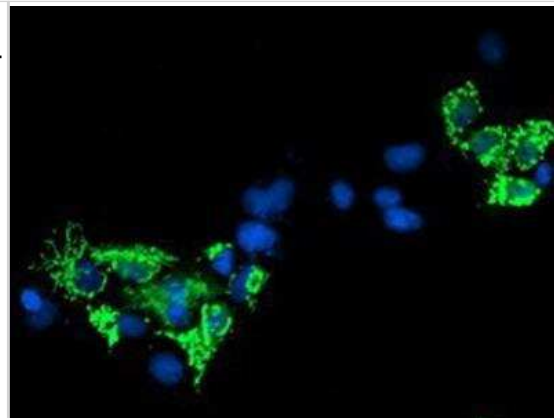
<b>Applications</b>	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockout Validated
<b>Recommended Dilutions</b>	Western Blot 1:500-2000, Flow Cytometry 1:100, Immunohistochemistry 1:150, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:150, Knockout Validated

**Images**

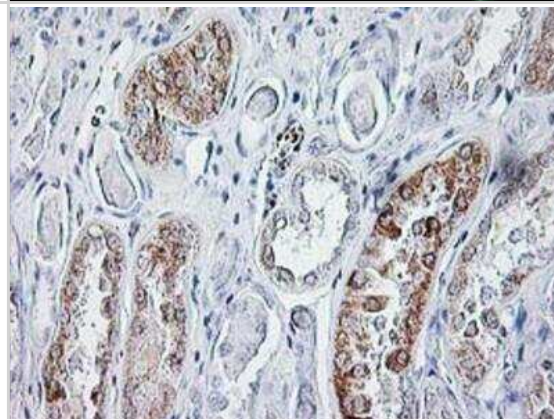
Western Blot: Sirtuin 5/SIRT5 Antibody (OTI2F1) [NBP2-01003] - Equivalent amounts of cell lysates (10ug per lane) of wild-type HeLa cells and SIRT5-Knockout HeLa cells were separated by SDS-PAGE and immunoblotted with anti-SIRT5 monoclonal antibody (1:500). Then the blotted membrane was stripped and reprobed with anti-HSP90 antibody as a loading control.



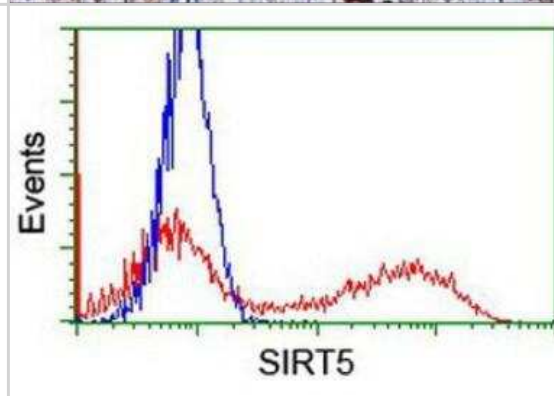
Immunocytochemistry/Immunofluorescence: Sirtuin 5/SIRT5 Antibody (OT12F1) [NBP2-01003] - Sirtuin 5/SIRT5 Antibody (2F1) [NBP2-01003] - Staining of COS7 cells transiently transfected by pCMV6-ENTRY SIRT5.



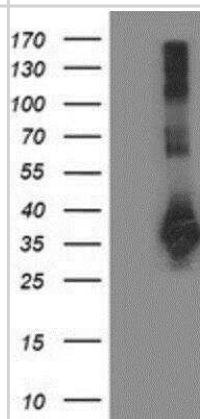
Immunohistochemistry-Paraffin: Sirtuin 5/SIRT5 Antibody (2F1) [NBP2-01003] - Staining of paraffin-embedded Human Kidney tissue using anti-SIRT5 mouse monoclonal antibody.



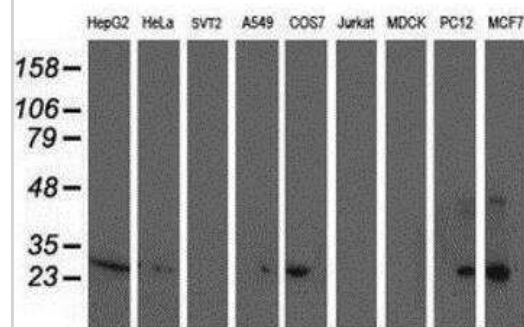
Flow Cytometry: Sirtuin 5/SIRT5 Antibody (2F1) [NBP2-01003] - HEK293T cells transfected with either overexpression plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-SIRT5 antibody, and then analyzed by flow cytometry.



Western Blot: Sirtuin 5/SIRT5 Antibody (2F1) [NBP2-01003] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY SIRT5 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SIRT5.



Western Blot: Sirtuin 5/SIRT5 Antibody (OT12F1) [NBP2-01003] - Analysis of extracts (35ug) from 9 different cell lines by using anti-SIRT5 monoclonal antibody.





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### **Products Related to NBP2-01003**

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NB100-56372PEP	Sirtuin 5/SIRT5 Antibody Blocking Peptide

### **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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