

# 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)

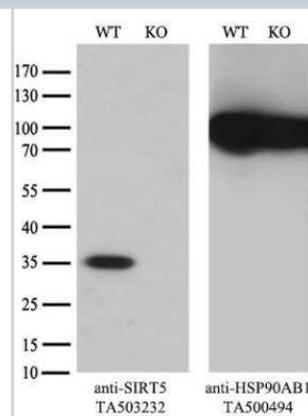
Product Information	
Unit Size	0.1 ml
Concentration	0.24 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI2F1
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
Target Molecular Weight	33.7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

Product Description	
Host	Mouse
Gene ID	23408
Gene Symbol	SIRT5
Species	Human, Mouse, Rat
Reactivity Notes	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.
Immunogen	Full length human recombinant protein of human SIRT5(NP_036373) produced in HEK293 cell.

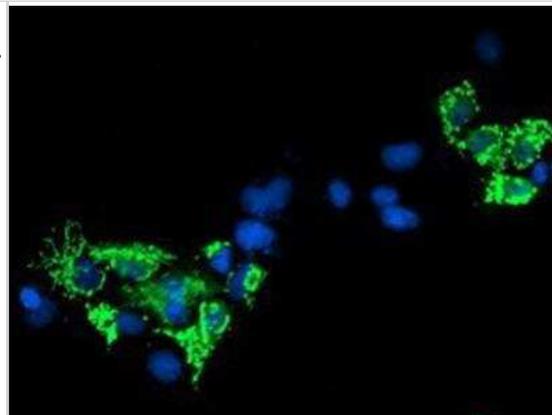
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockout Validated
Recommended Dilutions	Western Blot 1:500-2000, Flow Cytometry 1:100, Immunohistochemistry 1:150, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:150, Knockout Validated

**Images**

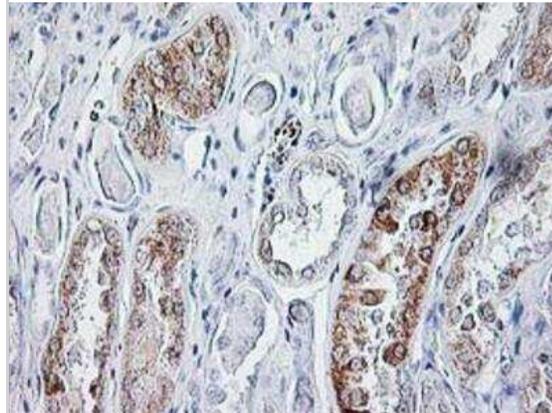
Western Blot: Sirtuin 5/SIRT5 Antibody (OTI2F1) [NBP2-01003] - Equivalent amounts of cell lysates (10ug per lane) of wild-type HeLa cells and SIRT5-Knockout HeLa cells were separated by SDS-PAGE and immunoblotted with anti-SIRT5 monoclonal antibody (1:500). Then the blotted membrane was stripped and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



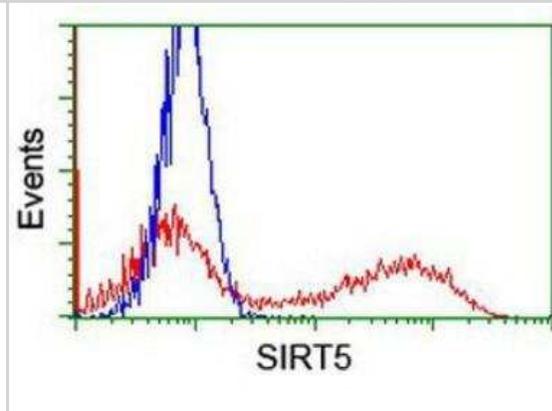
Immunocytochemistry/Immunofluorescence: Sirtuin 5/SIRT5 Antibody (OT12F1) [NBP2-01003] - Sirtuin 5/SIRT5 Antibody (2F1) [NBP2-01003] - Staining of COS7 cells transiently transfected by pCMV6-ENTRY SIRT5.



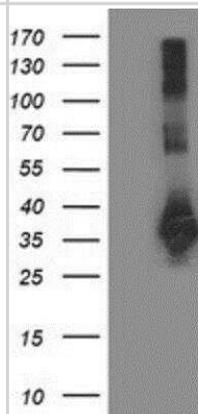
Immunohistochemistry-Paraffin: Sirtuin 5/SIRT5 Antibody (2F1) [NBP2-01003] - Staining of paraffin-embedded Human Kidney tissue using anti-SIRT5 mouse monoclonal antibody.



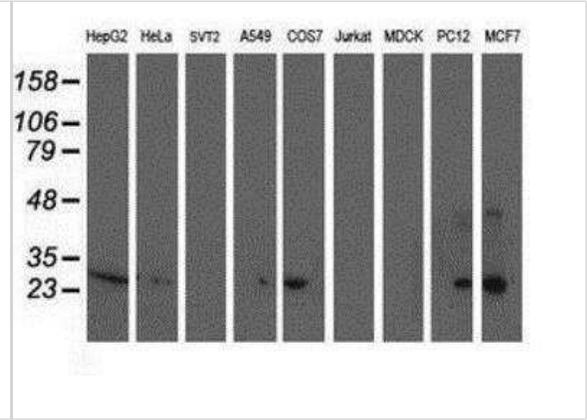
Flow Cytometry: Sirtuin 5/SIRT5 Antibody (2F1) [NBP2-01003] - HEK293T cells transfected with either overexpression plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-SIRT5 antibody, and then analyzed by flow cytometry.



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**

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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

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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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