

# Product Datasheet

## Sirtuin 1/SIRT1 [p Ser47] Antibody (SN06-40) NBP2-67668

Unit Size: 100 ul

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

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**NBP2-67668**

Sirtuin 1/SIRT1 [p Ser47] Antibody (SN06-40)

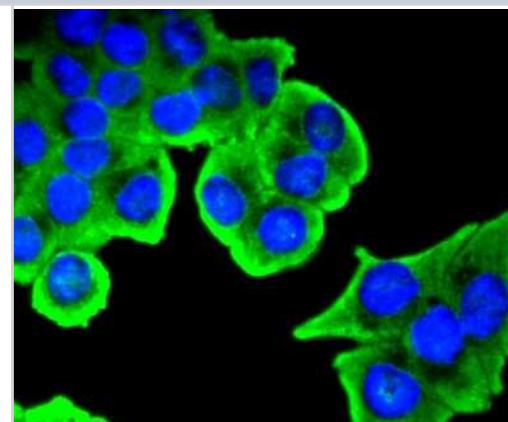
| Product Information |  |
|---------------------|--|
| Unit Size           | 100 ul   |
| Concentration       | 1 mg/ml  |
| Storage             | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality           | Monoclonal   |
| Clone               | SN06-40  |
| Preservative        | 0.05% Sodium Azide   |
| Isotype             | IgG  |
| Purity              | Protein A purified   |
| Buffer              | TBS (pH7.4), 0.05% BSA, 40% Glycerol   |

| Product Description |  |
|---------------------|--|
| Host                | Rabbit   |
| Gene Symbol         | SIRT1  |
| Species             | Human  |
| Immunogen           | Synthetic phospho-peptide corresponding to residues surrounding Ser47 of Human Sirtuin 1/SIRT1 aa 30-79 / 747. (SwissProt: Q96EB6 Human) |

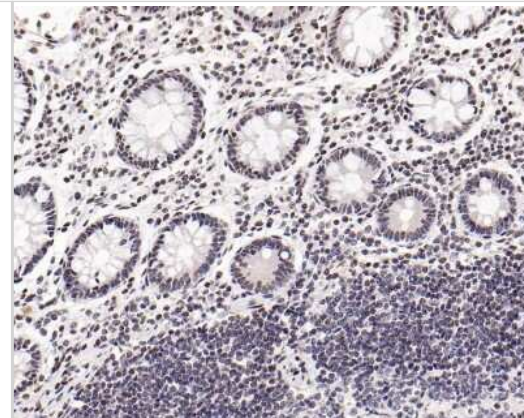
| Product Application Details |  |
|-----------------------------|--|
| Applications                | Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin                               |
| Recommended Dilutions       | Western Blot 1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:100-1:500, Immunohistochemistry-Paraffin 1:50-1:200 |

**Images**

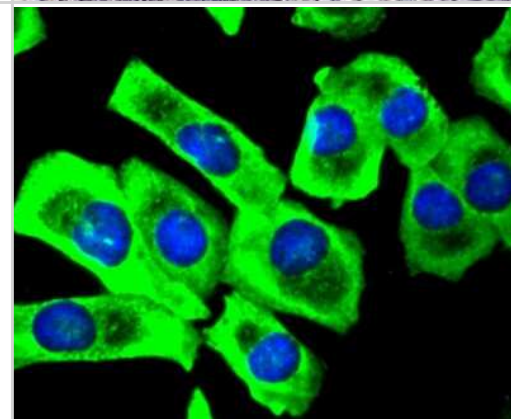
Immunocytochemistry/Immunofluorescence: Sirtuin 1/SIRT1 [p Ser47] Antibody (SN06-40) [NBP2-67668] - Staining SIRT1(phospho S47) in SW480 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



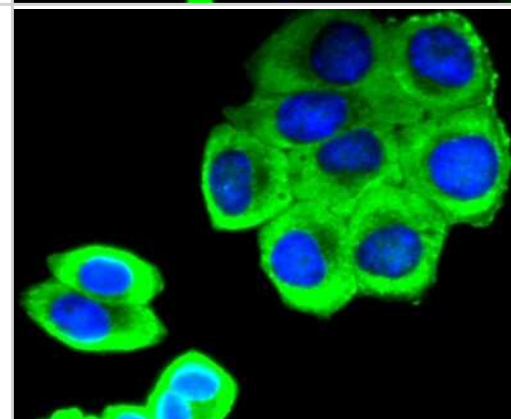
**Immunohistochemistry-Paraffin:** Sirtuin 1/SIRT1 [p Ser47] Antibody (SN06-40) [NBP2-67668] - Analysis of paraffin-embedded human colon tissue with Rabbit anti-Sirtuin 1/SIRT1 [p Ser47] antibody washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody at 1/200 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



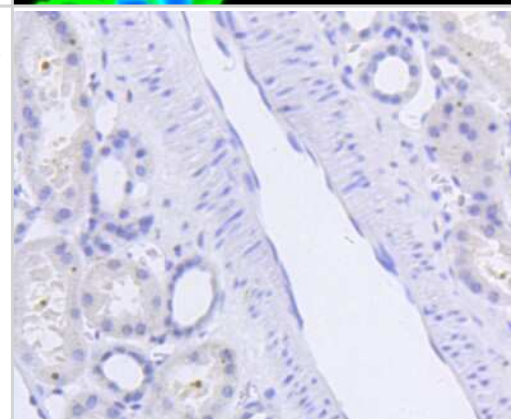
**Immunocytochemistry/Immunofluorescence:** Sirtuin 1/SIRT1 [p Ser47] Antibody (SN06-40) [NBP2-67668] - Staining SIRT1(phospho S47) in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



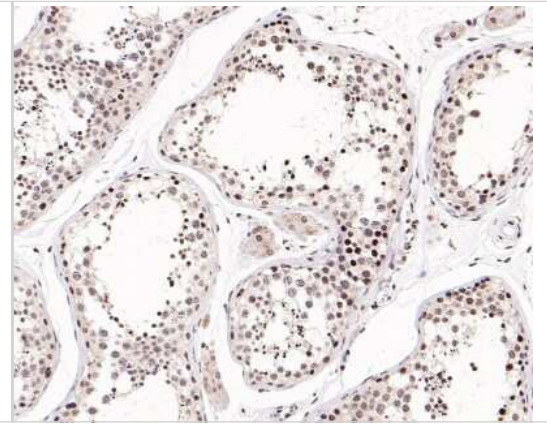
**Immunocytochemistry/Immunofluorescence:** Sirtuin 1/SIRT1 [p Ser47] Antibody (SN06-40) [NBP2-67668] - Staining SIRT1(phospho S47) in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



**Immunohistochemistry-Paraffin:** Sirtuin 1/SIRT1 [p Ser47] Antibody (SN06-40) [NBP2-67668] - Analysis of paraffin-embedded human kidney tissue using anti-SIRT1(phospho S47) antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: Sirtuin 1/SIRT1 [p Ser47] Antibody (SN06-40) [NBP2-67668] - Analysis of paraffin-embedded human testis tissue with Rabbit anti-Sirtuin 1/SIRT1 [p serS47] antibody washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody at 1/200 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.





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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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