

# Product Datasheet

## Sirtuin 3/SIRT3 Antibody (6B2A1) - BSA Free NBP2-52563

Unit Size: 0.1 mg

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

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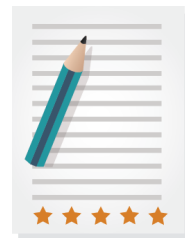
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Updated 9/9/2025 v.20.1

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**NBP2-52563**

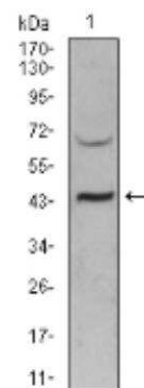
Sirtuin 3/SIRT3 Antibody (6B2A1) - BSA Free

| Product Information         |                                                                                                                                                                                                                                                                                                      |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unit Size                   | 0.1 mg                                                                                                                                                                                                                                                                                               |
| Concentration               | 1 mg/ml                                                                                                                                                                                                                                                                                              |
| Storage                     | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.                                                                                                                                                                                                               |
| Clonality                   | Monoclonal                                                                                                                                                                                                                                                                                           |
| Clone                       | 6B2A1                                                                                                                                                                                                                                                                                                |
| Preservative                | 0.05% Sodium Azide                                                                                                                                                                                                                                                                                   |
| Isotype                     | IgG1                                                                                                                                                                                                                                                                                                 |
| Purity                      | Protein G purified                                                                                                                                                                                                                                                                                   |
| Buffer                      | PBS                                                                                                                                                                                                                                                                                                  |
| Target Molecular Weight     | 43.6 kDa                                                                                                                                                                                                                                                                                             |
| Product Description         |                                                                                                                                                                                                                                                                                                      |
| Description                 | Novus Biologicals Mouse Sirtuin 3/SIRT3 Antibody (6B2A1) - BSA Free (NBP2-52563) is a monoclonal antibody validated for use in IHC, WB, ELISA, Flow and ICC/IF. Anti-Sirtuin 3/SIRT3 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.           |
| Host                        | Mouse                                                                                                                                                                                                                                                                                                |
| Gene ID                     | 23410                                                                                                                                                                                                                                                                                                |
| Gene Symbol                 | SIRT3                                                                                                                                                                                                                                                                                                |
| Species                     | Human                                                                                                                                                                                                                                                                                                |
| Immunogen                   | Purified recombinant fragment of human Sirtuin 3/SIRT3 (AA: 155-290) expressed in E. Coli.                                                                                                                                                                                                           |
| Product Application Details |                                                                                                                                                                                                                                                                                                      |
| Applications                | Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, CyTOF-ready, Immunocytochemistry, Immunohistochemistry Whole-Mount                                                                                                |
| Recommended Dilutions       | Western Blot 1:500 - 1:2000, Flow Cytometry 1:200 - 1:400, ELISA 1:10000, Immunohistochemistry 1:200 - 1:1000, Immunocytochemistry/ Immunofluorescence 1:200-1:1000, Immunohistochemistry-Paraffin 1:200 - 1:1000, Immunohistochemistry Whole-Mount, Immunocytochemistry 1:200 - 1:1000, CyTOF-ready |
| Application Notes           | This antibody is Cytof ready. This Sirtuin 3/SIRT3 Antibody (6B2A1) is validated for IHC-WhMt from a verified customer review.                                                                                                                                                                       |

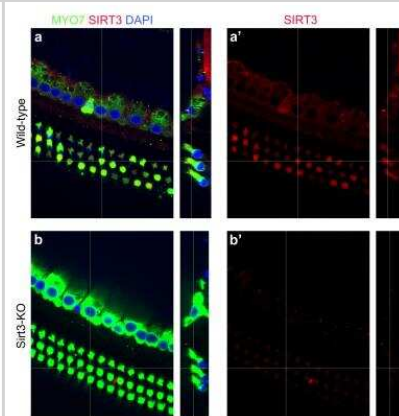


## Images

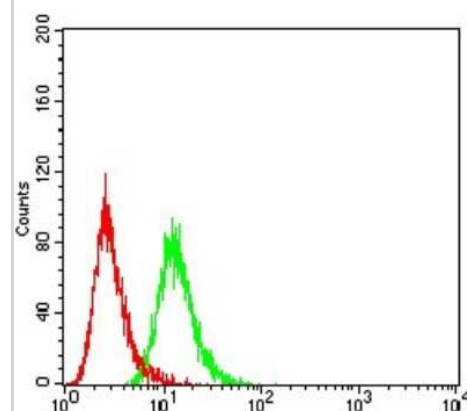
Western Blot: Sirtuin 3/SIRT3 Antibody (6B2A1) [NBP2-52563] - Analysis using SIRT3 mouse mAb against PANC-1 (1) cell lysate.



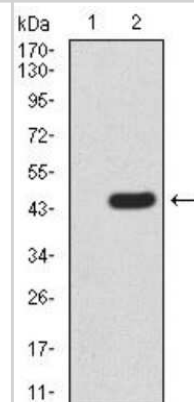
Immunohistochemistry Whole-Mount: Sirtuin 3/SIRT3 Antibody (6B2A1) [NBP2-52563] - Cochlear whole mount from wild-type and Sirt3-KO mice, immunolabeled with MYO7, SIRT3, and DAPI. The cross-hairs show the position from which the side view is taken. SIRT3 immunoreactivity only is shown in the right panels. IHC-WhMt image submitted by a verified customer review.



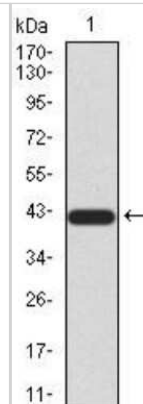
Flow Cytometry: Sirtuin 3/SIRT3 Antibody (6B2A1) [NBP2-52563] - Analysis of HeLa cells using SIRT3 mouse mAb (green) and negative control (red).



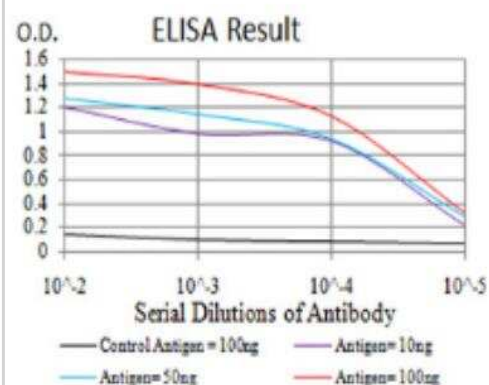
Western Blot: Sirtuin 3/SIRT3 Antibody (6B2A1) [NBP2-52563] - Analysis using SIRT3 mAb against HEK293 (1) and SIRT3 (AA: 155-290)-hlgGfc transfected HEK293 (2) cell lysate.



Western Blot: Sirtuin 3/SIRT3 Antibody (6B2A1) [NBP2-52563] - Analysis using SIRT3 mAb against human SIRT3 (AA: 155-290) recombinant protein. (Expected MW is 41.3 kDa)



ELISA: Sirtuin 3/SIRT3 Antibody (6B2A1) [NBP2-52563] - Black line: Control Antigen (100 ng); Purple line: Antigen (10 ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



## Publications

Patel S, Shah L, Dang N, Tan X et Al. SIRT3 promotes auditory function in young adult FVB/nJ mice but is dispensable for hearing recovery after noise exposure PLoS One 2020-07-14 [PMID: 32658908]



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### **Products Related to NBP2-52563**

|                  |                                                         |
|------------------|---------------------------------------------------------|
| 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)                        |
| NBP1-87037PEP    | Sirtuin 3/SIRT3 Recombinant Protein Antigen             |

### **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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