

# Product Datasheet

## Sortilin Antibody (CL6526) - Azide and BSA Free NBP3-44414

Unit Size: 100 ul

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

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**NBP3-44414**

Sortilin Antibody (CL6526) - Azide and BSA Free

**Product Information**

|                                    |                                                                                                                                                                                |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Unit Size</b>                   | 100 ul                                                                                                                                                                         |
| <b>Concentration</b>               | LYOPH mg/ml                                                                                                                                                                    |
| <b>Storage</b>                     | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.                                                                                         |
| <b>Clonality</b>                   | Monoclonal                                                                                                                                                                     |
| <b>Clone</b>                       | CL6526                                                                                                                                                                         |
| <b>Preservative</b>                | No Preservative                                                                                                                                                                |
| <b>Reconstitution Instructions</b> | Centrifuge the vial of lyophilized antibody at 12,000 x g for 20 seconds. Reconstitute by adding sterile, distilled water to achieve a final antibody concentration of 1mg/ml. |
| <b>Isotype</b>                     | IgG2b                                                                                                                                                                          |
| <b>Purity</b>                      | Protein A purified                                                                                                                                                             |
| <b>Buffer</b>                      | Lyophilized from a 0.2 um filtered solution in PBS with Trehalose                                                                                                              |

**Product Description**

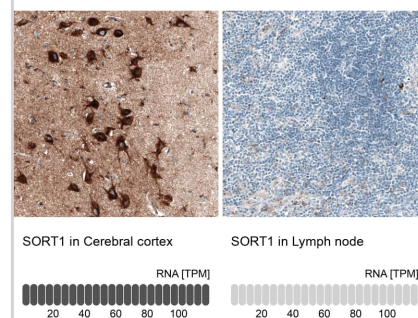
|                    |                                                                                                                                      |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <b>Host</b>        | Mouse                                                                                                                                |
| <b>Gene ID</b>     | 6272                                                                                                                                 |
| <b>Gene Symbol</b> | SORT1                                                                                                                                |
| <b>Species</b>     | Human, Mouse                                                                                                                         |
| <b>Immunogen</b>   | This antibody was generated using a recombinant protein sequence of Q99523, with the exact immunogen sequence remaining proprietary. |

**Product Application Details**

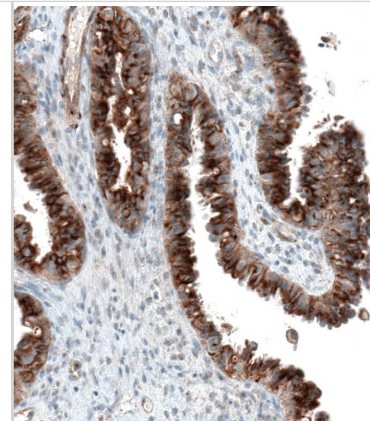
|                              |                                                                                                                                                    |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>          | Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin                                                               |
| <b>Recommended Dilutions</b> | Western Blot 1 ug/ml, Immunocytochemistry/ Immunofluorescence 2-10 ug/ml, Immunohistochemistry-Paraffin 1:5000 - 1:10000                           |
| <b>Application Notes</b>     | For IHC-Paraffin, HIER pH 6 retrieval is recommended. Immunocytochemistry/ Immunofluorescence/IF, Fixation Permeabilization: Use PFA/Triton X-100. |

**Images**

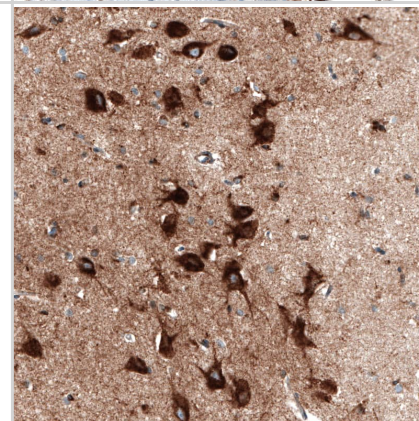
Analysis in human cerebral cortex and lymph node tissues using NBP3-44414 antibody. Corresponding Sortilin RNA-seq data are presented for the same tissues.



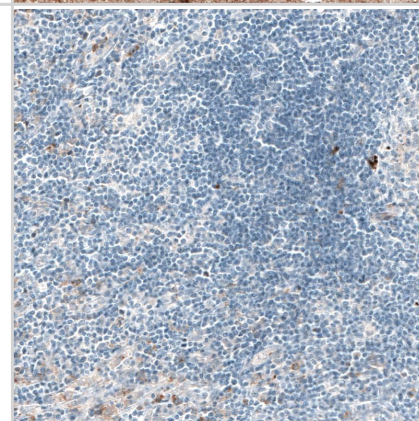
Staining of human fallopian tube shows moderate to strong cytoplasmic positivity in glandular cells.



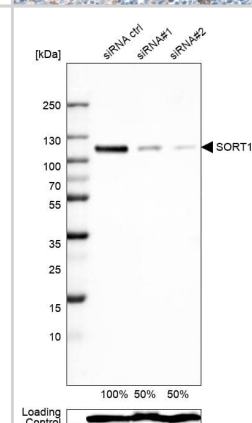
Staining of human cerebral cortex shows strong cytoplasmic positivity in neurons.



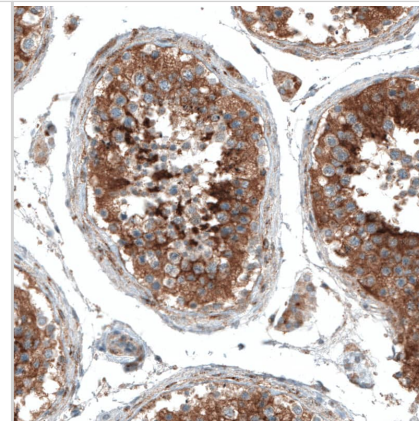
Staining of human lymph node shows only weak positivity in a subset of lymphoid cells, as expected.



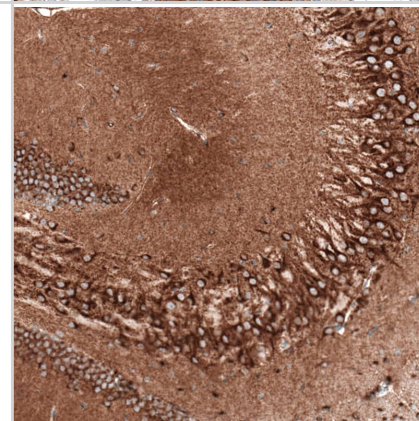
Analysis in Rh30 cells transfected with control siRNA, target specific siRNA probe #1 and #2, using Anti-Sortilin antibody. Remaining relative intensity is presented. Loading control: Anti-GAPDH.



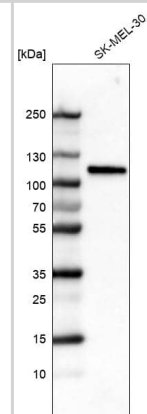
Staining of human testis shows strong cytoplasmic positivity in cells in seminiferous ducts.



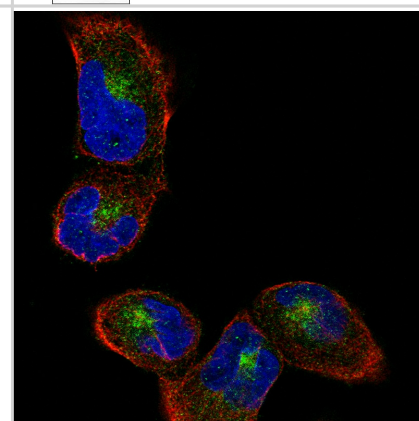
Staining of mouse hippocampus shows strong cytoplasmic positivity in both pyramidal neurons and granular cells.



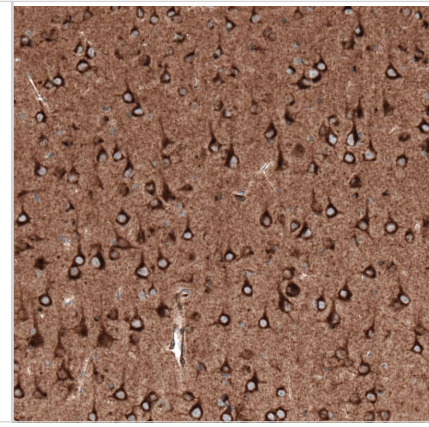
Analysis in human cell line SK-MEL-30.



Staining of RH-30 cells using the Anti-Sortilin monoclonal antibody).



Staining of mouse cerebral cortex shows strong cytoplasmic positivity in neurons.





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### **Products Related to NBP3-44414**

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|             |                                                         |
|-------------|---------------------------------------------------------|
| NBP2-33376H | Blue Marker Antibody (6F4-F6) [HRP]                     |
| HAF007      | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B     | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP2-27231  | Mouse IgG2b Isotype Control (MPC-11)                    |

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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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