

# Product Datasheet

## stonin-2 Antibody - BSA Free

### NBP1-90658

Unit Size: 0.1 ml

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

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**NBP1-90658**

stonin-2 Antibody - BSA Free

**Product Information**

|                      |                                                                                                                  |
|----------------------|------------------------------------------------------------------------------------------------------------------|
| <b>Unit Size</b>     | 0.1 ml                                                                                                           |
| <b>Concentration</b> | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services. |
| <b>Storage</b>       | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.                           |
| <b>Clonality</b>     | Polyclonal                                                                                                       |
| <b>Preservative</b>  | 0.02% Sodium Azide                                                                                               |
| <b>Isotype</b>       | IgG                                                                                                              |
| <b>Purity</b>        | Affinity purified                                                                                                |
| <b>Buffer</b>        | PBS (pH 7.2) and 40% Glycerol                                                                                    |

**Product Description**

|                         |                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Host</b>             | Rabbit                                                                                                                                                                                                                                       |
| <b>Gene ID</b>          | 85439                                                                                                                                                                                                                                        |
| <b>Gene Symbol</b>      | STON2                                                                                                                                                                                                                                        |
| <b>Species</b>          | Human                                                                                                                                                                                                                                        |
| <b>Reactivity Notes</b> | Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (85%), Rat (85%)                                                                                                                              |
| <b>Immunogen</b>        | This antibody was developed against Recombinant Protein corresponding to amino acids:<br>RTPSVTEAPPWRATNPFLNETLQDVQPSPINPFSAFFEEQERRSQNSSISSTTG<br>KSQRDSLIVYQDAISFDDSSKTQSHSDAVEKLKQLQIDDPDHFSGSATLPDDDP<br>VAWIELDAHPPGSARSQPRDGWPMMLRIPEK |

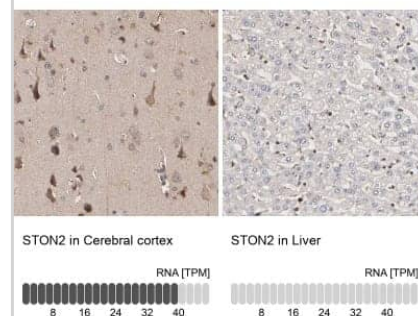
**Product Application Details**

|                              |                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>          | Western Blot, Simple Western, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry                                                                                                                                                                                                                               |
| <b>Recommended Dilutions</b> | Western Blot 0.04-0.4 ug/ml, Simple Western 1:5, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50 - 1:200                                                                                                                                                                     |
| <b>Application Notes</b>     | IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100. In Simple Western only 10-15 uL of the recommended dilution is used per data point.<br>See <a href="#">Simple Western Antibody Database</a> for Simple Western validation: Tested in HEL lysates, separated by Size, antibody dilution of 1:5 |

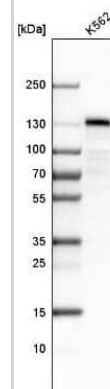


## Images

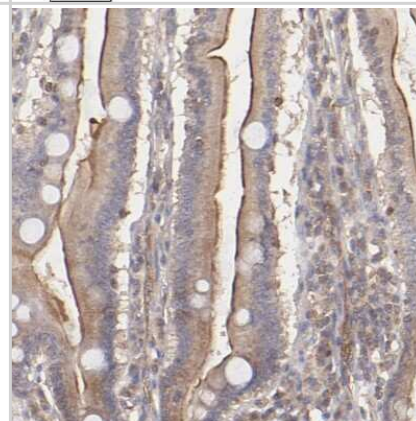
Immunohistochemistry-Paraffin: stonin-2 Antibody [NBP1-90658] - Analysis in human cerebral cortex and liver tissues using NBP1-90658 antibody. Corresponding STON2 RNA-seq data are presented for the same tissues.



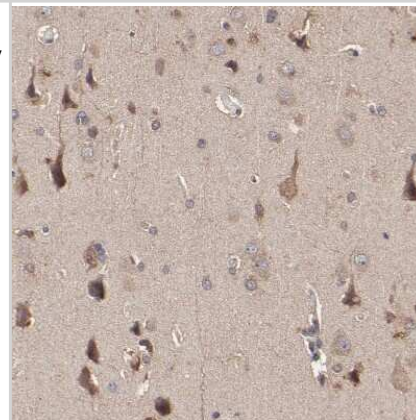
Western Blot: stonin-2 Antibody [NBP1-90658] - Analysis in human cell line K562.



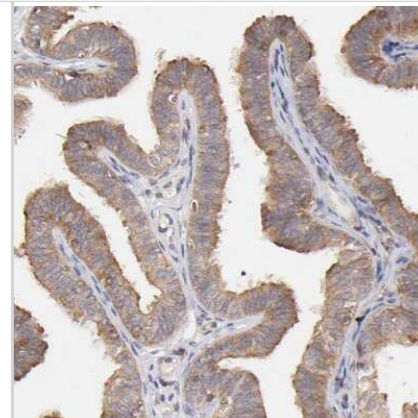
Immunohistochemistry-Paraffin: stonin-2 Antibody [NBP1-90658] - Staining of human duodenum shows moderate positivity in apical membrane in glandular cells.



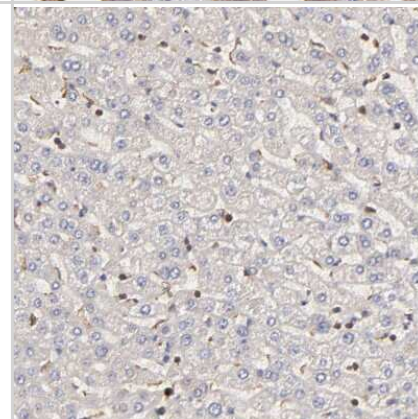
Immunohistochemistry-Paraffin: stonin-2 Antibody [NBP1-90658] - Staining of human cerebral cortex shows moderate cytoplasmic positivity in neurons.



Immunohistochemistry-Paraffin: stonin-2 Antibody [NBP1-90658] - Staining of human fallopian tube shows moderate cytoplasmic positivity in glandular cells.



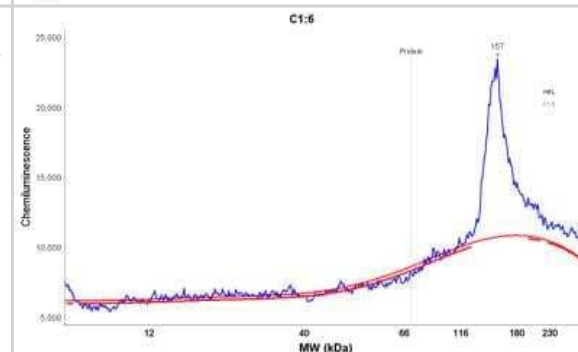
Immunohistochemistry-Paraffin: stonin-2 Antibody [NBP1-90658] - Staining of human liver shows no positivity in hepatocytes as expected.



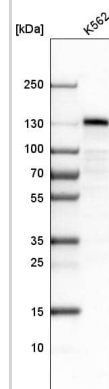
Simple Western: stonin-2 Antibody [NBP1-90658] - Simple Western lane view shows a specific band for stonin-2 in 0.2 mg/ml of HEL lysate(s). This experiment was performed under reducing conditions using the 12-230 kDa separation systems.



Simple Western: stonin-2 Antibody [NBP1-90658] - Electropherogram image of the corresponding Simple Western lane view. stonin-2 antibody was used at 1:5 dilution on HEL lysate(s) respectively.



Analysis in human cell line K562.



## Publications

Hosoda Y, Miyake M, Meguro A et al. Keratoconus-susceptibility gene identification by corneal thickness genome-wide association study and artificial intelligence IBM Watson Commun Biol 2020-07-31 [PMID: 32737415] (IF/IHC, Human)





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

[www.novusbio.com](http://www.novusbio.com)  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP1-90658**

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|               |                                                     |
|---------------|-----------------------------------------------------|
| NBP1-90658PEP | stonin-2 Recombinant Protein Antigen                |
| HAF008        | Goat anti-Rabbit IgG Secondary Antibody [HRP]       |
| NB7160        | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891    | Rabbit IgG Isotype Control                          |

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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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