

# Product Datasheet

## CELSR2 Antibody - BSA Free NLS1939

Unit Size: 0.05 ml

Keep as concentrated solution. Aliquot and store at -20C or below. Avoid multiple freeze-thaw cycles.

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**NLS1939**

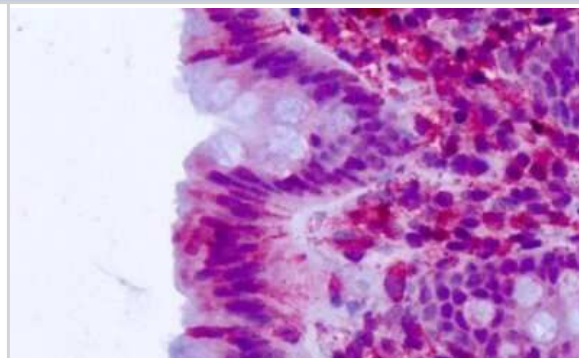
CELSR2 Antibody - BSA Free

| Product Information         |                                                                                                       |
|-----------------------------|-------------------------------------------------------------------------------------------------------|
| Unit Size                   | 0.05 ml                                                                                               |
| Concentration               | Please see the vial label for concentration. If unlisted please contact technical services.           |
| Storage                     | Keep as concentrated solution. Aliquot and store at -20C or below. Avoid multiple freeze-thaw cycles. |
| Clonality                   | Polyclonal                                                                                            |
| Preservative                | 0.1% Sodium Azide                                                                                     |
| Isotype                     | IgG                                                                                                   |
| Purity                      | Immunogen affinity purified                                                                           |
| Buffer                      | PBS                                                                                                   |
| Product Description         |                                                                                                       |
| Description                 | Product can be stored undiluted at 4C for up to 1 month.                                              |
| Host                        | Rabbit                                                                                                |
| Gene ID                     | 1952                                                                                                  |
| Gene Symbol                 | CELSR2                                                                                                |
| Species                     | Human, Bovine, Canine                                                                                 |
| Reactivity Notes            | Predicted cross-reactivity based on sequence identity: Gibbon (90%), Mouse (85%).                     |
| Specificity/Sensitivity     | Human CELSR2. BLAST analysis of the peptide immunogen showed no homology with other human proteins.   |
| Immunogen                   | Synthetic 20 amino acid peptide from N-terminal extracellular domain of human CELSR2.                 |
| Product Application Details |                                                                                                       |
| Applications                | Immunohistochemistry, Immunohistochemistry-Paraffin                                                   |
| Recommended Dilutions       | Immunohistochemistry, Immunohistochemistry-Paraffin 15 ug/ml                                          |

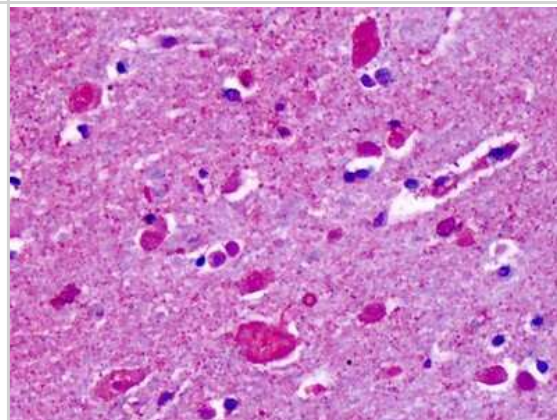


## Images

Immunohistochemistry-Paraffin: CELSR2 Antibody [NLS1939] - Anti-CELSR2 antibody IHC of human colon, epithelium.  
Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 3-5 ug/ml.



Immunohistochemistry-Paraffin: CELSR2 Antibody [NLS1939] - Analysis of anti-CELSR2 antibody with human brain, cortex, cerebellum at concentration 3-5 ug/ml.



## Procedures

### Immunohistochemistry protocol for CELSR2 Antibody (NLS1939)

Immunohistochemistry Protocol for CELSR2 Antibody (NLS1939):

Immunohistochemistry

1. Prepare tissue with formalin fixation and by embedding it in paraffin wax.
2. Make 4-um sections and place on pre-cleaned and charged microscope slides.
3. Heat in a tissue-drying oven for 45 minutes at 60 degrees Celcius.
4. Deparaffinize the tissues by wash drying the slides in 3 changes of xylene approximately 5 minutes each @ RT.
5. Rehydrate the tissues by washing the slides in 3 changes of 100% alcohol approximately 3 minutes each @ RT.
6. Wash the slides in 2 changes of 95% alcohol approximately 3 minutes each @ RT.
7. Wash the slides in 1 change of 80% alcohol approximately 3 minutes @ RT.
8. Rinse the slides in gentle running distilled water approximately 5 minutes @ RT.
9. Perform antigen retrieval by steaming the slides in 0.01M sodium citrate buffer (pH 6.0) @ 99-100 degrees Celcius for 20 minutes.
10. Remove the slides from the heat and let stand in buffer @ RT for 20 minutes.
11. Rinse the slides in 1X TBS-T for 1 minute @ RT.

**\*\*Do not allow the tissues to dry at any time during the staining procedure\*\***

12. Begin the immunostaining by applying a universal protein block approximately 20 minutes @ RT.
13. Drain protein block from the slides and apply the diluted primary antibody approximately 45 minutes @ RT.
14. Rinse the slide in 1X TBS-T approximately 1 minute @ RT.
15. Apply a biotinylated anti-rabbit IgG (H+L) secondary approximately 30 minutes @ RT.
16. Rinse the slide in 1X TBS-T approximately 1 minute at RT.
17. Apply an alkaline phosphatase streptavidin approximately 30 minutes at RT.
18. Rinse the slide in 1X TBS-T approximately 1 minute at RT.
19. Apply an alkaline phosphatase chromagen substrate approximately 30 minutes at RT.
20. Rinse the slide in distilled water approximately 1 minute @ RT.

**\*\*This method should only be used if the chromagen substrate is alcohol insoluble (ie: Vector Red, DAB)\*\***

21. Dehydrate the tissue by washing the slides in 2 changes of 80% alcohol approximately 1 minute each @ RT.
22. Wash the slides in 2 changes of 95% alcohol approximately 1 minute each @ RT.
23. Wash the slides in 3 changes of 100% alcohol approximately 1 minute each @ RT.
24. Wash the slides in 3 changes of xylene approximately 1 minute each @ RT.
25. Apply cover slip.





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### **Products Related to NLS1939**

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|               |                                                     |
|---------------|-----------------------------------------------------|
| HAF008        | Goat anti-Rabbit IgG Secondary Antibody [HRP]       |
| NB7160        | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891    | Rabbit IgG Isotype Control                          |
| NBP1-85712PEP | CELSR2 Recombinant Protein Antigen                  |

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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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