

# Product Datasheet

## Frizzled-9 Antibody - BSA Free NLS5097

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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**NLS5097**

Frizzled-9 Antibody - BSA Free

**Product Information**

|                      |                                                                                                       |
|----------------------|-------------------------------------------------------------------------------------------------------|
| <b>Unit Size</b>     | 0.05 ml                                                                                               |
| <b>Concentration</b> | 1.0 mg/ml                                                                                             |
| <b>Storage</b>       | Keep as concentrated solution. Aliquot and store at -20C or below. Avoid multiple freeze-thaw cycles. |
| <b>Clonality</b>     | Polyclonal                                                                                            |
| <b>Preservative</b>  | 0.1% Sodium Azide                                                                                     |
| <b>Isotype</b>       | IgG                                                                                                   |
| <b>Purity</b>        | Immunogen affinity purified                                                                           |
| <b>Buffer</b>        | PBS                                                                                                   |

**Product Description**

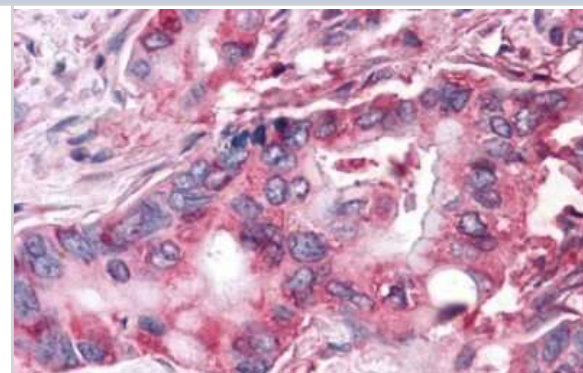
|                                |                                                                                                         |
|--------------------------------|---------------------------------------------------------------------------------------------------------|
| <b>Description</b>             | Product can be stored undiluted at 4C for up to 1 month.                                                |
| <b>Host</b>                    | Rabbit                                                                                                  |
| <b>Gene ID</b>                 | 8326                                                                                                    |
| <b>Gene Symbol</b>             | FZD9                                                                                                    |
| <b>Species</b>                 | Human, Canine, Rabbit                                                                                   |
| <b>Reactivity Notes</b>        | Predicted cross-reactivity based on sequence identity: Gibbon (100%).                                   |
| <b>Specificity/Sensitivity</b> | Human Frizzled-9. BLAST analysis of the peptide immunogen showed no homology with other human proteins. |
| <b>Immunogen</b>               | Synthetic 14 amino acid peptide from N-terminal extracellular domain of human Frizzled-9.               |

**Product Application Details**

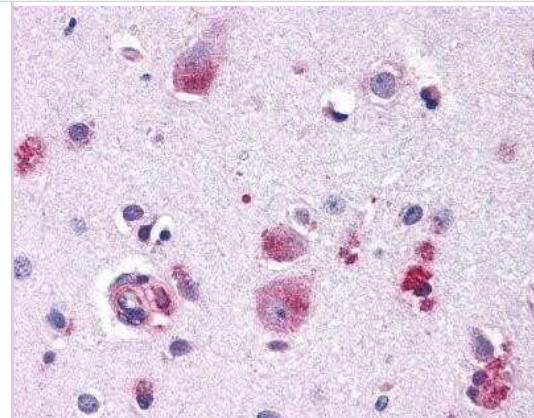
|                              |                                                              |
|------------------------------|--------------------------------------------------------------|
| <b>Applications</b>          | Immunohistochemistry, Immunohistochemistry-Paraffin          |
| <b>Recommended Dilutions</b> | Immunohistochemistry, Immunohistochemistry-Paraffin 14 ug/ml |

**Images**

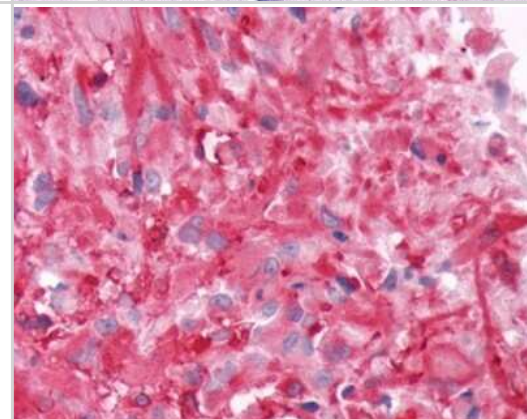
Immunohistochemistry-Paraffin: Frizzled-9 Antibody [NLS5097] - Anti-FZD9 / Frizzled 9 antibody IHC of human Pancreas, Carcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



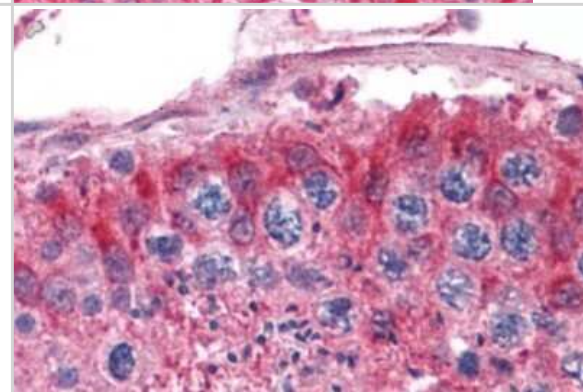
Immunohistochemistry-Paraffin: Frizzled-9 Antibody [NLS5097] - Analysis of anti-FZD9 / Frizzled 9 antibody with brains, neurons and glia at 14 ug/ ml.



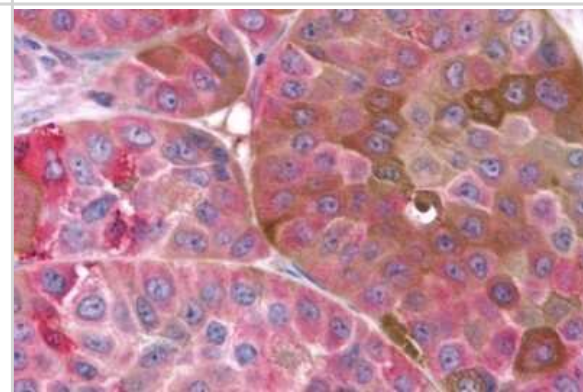
Immunohistochemistry-Paraffin: Frizzled-9 Antibody [NLS5097] - Analysis of anti-FZD9 / Frizzled 9 antibody with human brain, glioblastoma.



Immunohistochemistry-Paraffin: Frizzled-9 Antibody [NLS5097] - Anti-FZD9 / Frizzled 9 antibody IHC of human testis. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry-Paraffin: Frizzled-9 Antibody [NLS5097] - Anti-FZD9 / Frizzled 9 antibody IHC of human Skin, Melanoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



## Procedures

### Immunohistochemistry protocol for Frizzled-9 Antibody (NLS5097)

Immunohistochemistry Protocol for Frizzled-9 Antibody (NLS5097):

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 @ 60 degrees Celcius.
4. Deparaffinize the tissues by wash drying the slides in 3 changes of xylene for 5 minutes each @ RT.
5. Rehydrate the tissues by washing the slides in 3 changes of 100% alcohol for 3 minutes each @ RT.
6. Wash the slides in 2 changes of 95% alcohol for 3 minutes each @ RT.
7. Wash the slides in 1 change of 80% alcohol for 3 minutes @ RT.
8. Rinse the slides in gentle running distilled water for 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 for 20 minutes @ RT.
13. Drain protein block from the slides and apply the diluted primary antibody for 45 minutes @ RT.
14. Rinse the slide in 1X TBS-T for 1 minute @ RT.
15. Apply a biotinylated anti-rabbit IgG (H+L) secondary for 30 minutes @ RT.
16. Rinse the slide in 1X TBS-T for 1 minute @ RT.
17. Apply an alkaline phosphatase streptavidin for 30 minutes @ RT.
18. Rinse the slide in 1X TBS-T for 1 minute @ RT.
19. Apply an alkaline phosphatase chromagen substrate for 30 minutes @ RT.
20. Rinse the slide in distilled water for 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 for 1 minute each @ RT.
22. Wash the slides in 2 changes of 95% alcohol for 1 minute each @ RT.
23. Wash the slides in 3 changes of 100% alcohol for 1 minute each @ RT.
24. Wash the slides in 3 changes of xylene for 1 minute each @ RT.
25. Apply cover slip.





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### **Products Related to NLS5097**

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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                          |
| 645-WN-010 | Wnt-5a [Unconjugated]                               |

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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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