

# Product Datasheet

## Leukotriene B4 Receptor 2 Antibody NLS2099

Unit Size: 0.05 ml

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

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**NLS2099****Leukotriene B4 Receptor 2 Antibody****Product Information**

|                      |                                                                                        |
|----------------------|----------------------------------------------------------------------------------------|
| <b>Unit Size</b>     | 0.05 ml                                                                                |
| <b>Concentration</b> | 1.0 mg/ml                                                                              |
| <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>  | 0.1% Sodium Azide                                                                      |
| <b>Isotype</b>       | IgG                                                                                    |
| <b>Purity</b>        | Immunogen affinity purified                                                            |
| <b>Buffer</b>        | PBS                                                                                    |

**Product Description**

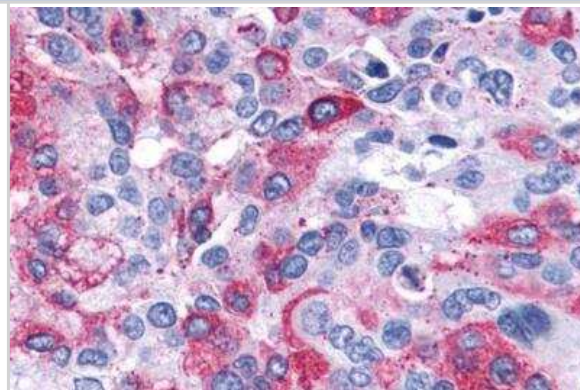
|                                |                                                                                                                            |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| <b>Host</b>                    | Rabbit                                                                                                                     |
| <b>Gene ID</b>                 | 56413                                                                                                                      |
| <b>Gene Symbol</b>             | LTB4R2                                                                                                                     |
| <b>Species</b>                 | Human, Monkey, Primate                                                                                                     |
| <b>Reactivity Notes</b>        | Predicted cross-reactivity based on sequence identity: Gorilla (100%), Marmoset (100%), Mouse (88%), Rat (88%), Bat (88%). |
| <b>Specificity/Sensitivity</b> | Human LTB4R2. BLAST analysis of the peptide immunogen showed no homology with other human proteins.                        |
| <b>Immunogen</b>               | Synthetic 16 amino acid peptide from 3rd cytoplasmic domain of human Leukotriene B4 Receptor 2.                            |

**Product Application Details**

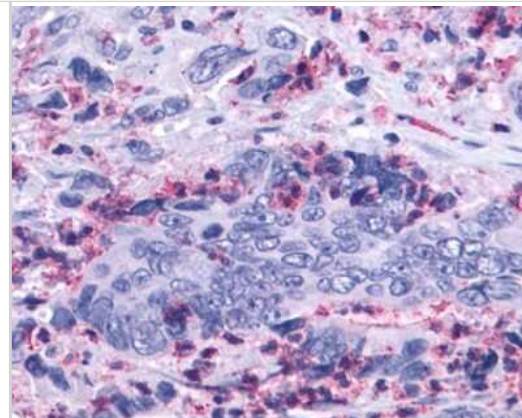
|                              |                                                                                                                                      |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>          | Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin                                     |
| <b>Recommended Dilutions</b> | Flow Cytometry 1:10 - 1:1000, Immunohistochemistry, Immunohistochemistry-Paraffin 26 ug/ml, Immunohistochemistry-Frozen 1:10 - 1:500 |

**Images**

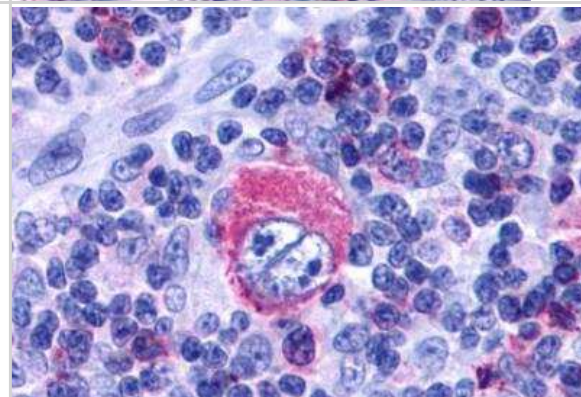
Immunohistochemistry-Paraffin: Leukotriene B4 Receptor 2 Antibody [NLS2099] - Lung, Adenocarcinoma



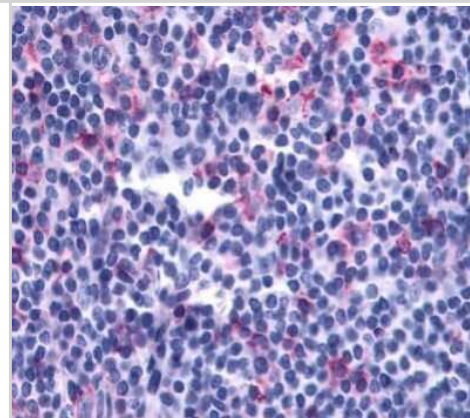
Immunohistochemistry-Paraffin: Leukotriene B4 Receptor 2 Antibody [NLS2099] - Analysis of anti-LTB4R2 / BLT2 antibody with human colon, carcinoma and leukocytes.



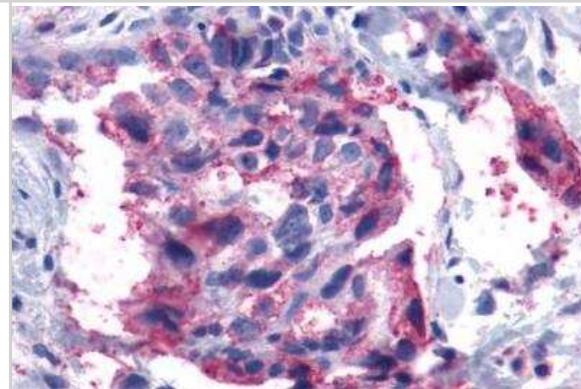
Immunohistochemistry-Paraffin: Leukotriene B4 Receptor 2 Antibody [NLS2099] - Human Lymph Node, Hodgkins Lymphoma.  
Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



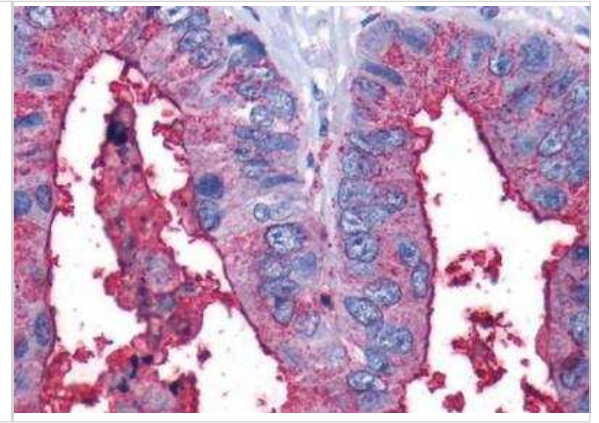
Immunohistochemistry-Paraffin: Leukotriene B4 Receptor 2 Antibody [NLS2099] - Anti-LTB4R2 antibody IHC of human tonsil.  
Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry-Paraffin: Leukotriene B4 Receptor 2 Antibody [NLS2099] - Breast, carcinoma



Immunohistochemistry-Paraffin: Leukotriene B4 Receptor 2 Antibody  
[NLS2099] - Colon, carcinoma



## Procedures

### Immunohistochemistry protocol for Leukotriene B4 Receptor 2 Antibody (NLS2099)

Immunohistochemistry Protocol for Leukotriene B4 Receptor 2 Antibody (NLS2099):

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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### **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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