

# Product Datasheet

## LAG-3 Antibody (PSH0-44) NBP3-32515

Unit Size: 100 ul

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

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**NBP3-32515**

LAG-3 Antibody (PSH0-44)

<b>Product Information</b>	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	1 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>	PSH0-44
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS (pH7.4), 0.1% BSA and 40% Glycerol
<b>Target Molecular Weight</b>	57.4 kDa
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Rabbit LAG-3 Antibody (PSH0-44) (NBP3-32515) is a recombinant monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	3902
<b>Gene Symbol</b>	LAG3
<b>Species</b>	Human
<b>Immunogen</b>	Recombinant protein within Human LAG-3 aa 1-500 / 525. (Uniprot: P18627)
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:2000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:200

## Images

Western Blot: LAG-3 Antibody (PSH0-44) [NBP3-32515] - Western blot analysis of LAG-3 on different lysates with Rabbit anti-LAG-3 antibody (NBP3-32515) at 1/2,000 dilution.

Lane 1: NIH/3T3 transfected with LAG3 expression vector, whole cell lysate

Lane 2: NIH/3T3 cell lysate

Lysates/proteins at 20 ug/Lane.

Predicted band size: 57 kDa

Observed band size: 55/70 kDa

Exposure time: 1 minute 10 seconds;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDm/TBST for 1 hour at room temperature. The primary antibody (NBP3-32515) at 1/2,000 dilution was used in 5% NFDm/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:200,000 dilution was used for 1 hour at room temperature.

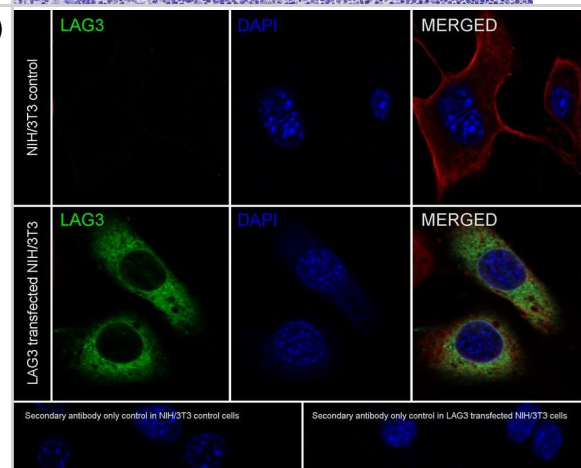
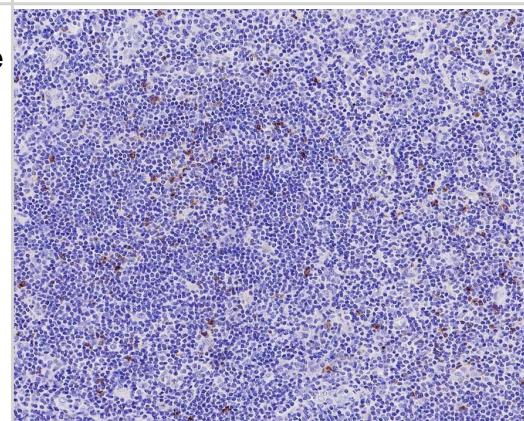
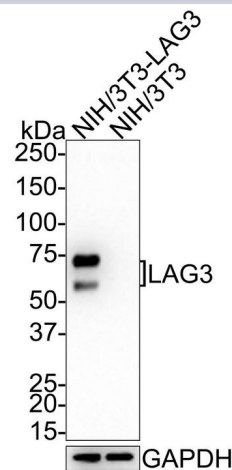
Immunohistochemistry: LAG-3 Antibody (PSH0-44) [NBP3-32515] - Immunohistochemical analysis of paraffin-embedded human tonsil tissue with Rabbit anti-LAG-3 antibody (NBP3-32515) at 1/200 dilution.

The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody (NBP3-32515) at 1/200 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.

Immunocytochemistry/ Immunofluorescence: LAG-3 Antibody (PSH0-44) [NBP3-32515] - Immunocytochemistry analysis of NIH/3T3 cells transfected with or without LAG3 labeling LAG-3 with Rabbit anti-LAG-3 antibody (NBP3-32515) at 1/100 dilution.

Cells were fixed in 4% paraformaldehyde for 10 minutes at 37 °C, permeabilized with 0.1% Triton X-100 in PBS for 15 minutes, and then blocked with 1% BSA for 30 minutes at room temperature. Cells were then incubated with Rabbit anti-LAG-3 antibody (NBP3-32515) at 1/100 dilution in 2% negative goat serum overnight at 4 °C. Goat Anti-Rabbit IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. Nuclear DNA was labelled in blue with DAPI.

Beta tubulin (red) was stained at 1/100 dilution overnight at +4 °C. Goat Anti-Mouse IgG H&L (iFluor™ 594) was used as the secondary antibody at 1/1,000 dilution.





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### **Products Related to NBP3-32515**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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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