

# Product Datasheet

## Indoleamine 2,3-dioxygenase/IDO Antibody (PD00-62) NBP3-32457

Unit Size: 100 ul

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

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**NBP3-32457**

Indoleamine 2,3-dioxygenase/IDO Antibody (PD00-62)

<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>	PD00-62
<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>	45 kDa

<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Rabbit Indoleamine 2,3-dioxygenase/IDO Antibody (PD00-62) (NBP3-32457) 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>	3620
<b>Gene Symbol</b>	IDO1
<b>Species</b>	Human
<b>Immunogen</b>	Synthetic peptide derived from the C-terminus of human Indoleamine 2,3-dioxygenase/IDO protein. (Uniprot: P14902)

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:1000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:200



## Images

Western Blot: Indoleamine 2,3-dioxygenase/IDO Antibody (PD00-62) [NBP3-32457] - Western blot analysis of Indoleamine 2,3-dioxygenase/IDO on different lysates with Rabbit anti-Indoleamine 2,3-dioxygenase/IDO antibody (NBP3-32457) at 1/1,000 dilution.

Lane 1: A549 cell lysate

Lane 2: A549 treated with 50ng/mL IFN-gamma for 24 hours cell lysate

Lysates/proteins at 20 ug/Lane.

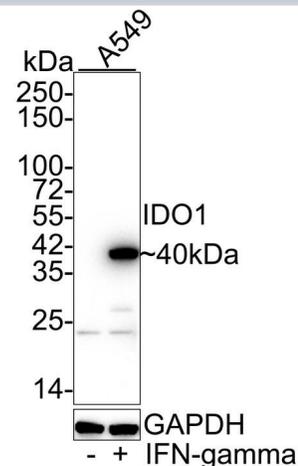
Predicted band size: 45 kDa

Observed band size: 40 kDa

Exposure time: 17 seconds;

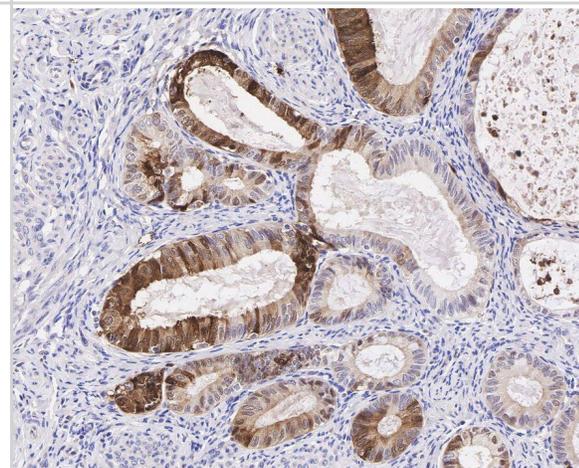
4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFD/MTBST for 1 hour at room temperature. The primary antibody (NBP3-32457) at 1/1,000 dilution was used in 5% NFD/MTBST at 4°C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.



Immunohistochemistry: Indoleamine 2,3-dioxygenase/IDO Antibody (PD00-62) [NBP3-32457] - Immunohistochemical analysis of paraffin-embedded human endometrial carcinoma tissue with Rabbit anti-Indoleamine 2,3-dioxygenase/IDO antibody (NBP3-32457) at 1/200 dilution.

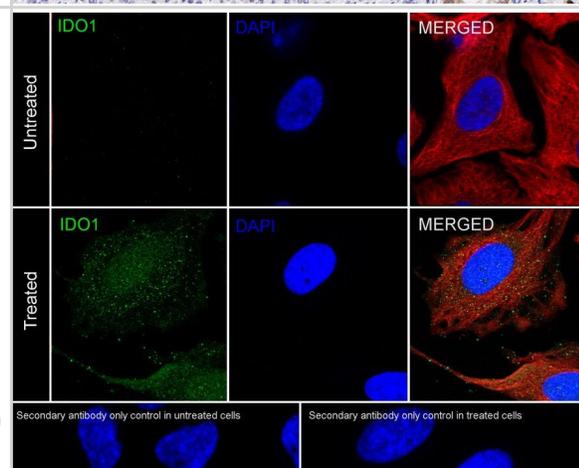
The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody (NBP3-32457) at 1/200 dilution for 1 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: Indoleamine 2,3-dioxygenase/IDO Antibody (PD00-62) [NBP3-32457] - Immunocytochemistry analysis of HeLa cells treated with or without 50 ng/mL IFN-gamma for 16 hours labeling Indoleamine 2,3-dioxygenase/IDO with Rabbit anti-Indoleamine 2,3-dioxygenase/IDO antibody (NBP3-32457) at 1/100 dilution.

Cells were fixed in 4% paraformaldehyde for 20 minutes at room temperature, permeabilized with 0.1% Triton X-100 in PBS for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Rabbit anti-Indoleamine 2,3-dioxygenase/IDO antibody (NBP3-32457) at 1/100 dilution in 1% BSA in PBST overnight at 4 °C. Goat Anti-Rabbit IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. 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 NBP3-32457**

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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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