Product Datasheet

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

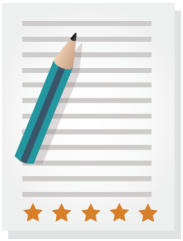
Unit Size: 100 ul

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

www.novusbio.com technical@novusbio.com

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP3-32457

Updated 8/7/2025 v.20.1



NBP3-32457

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

Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	PD00-62
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	PBS (pH7.4), 0.1% BSA and 40% Glycerol
Target Molecular Weight	45 kDa

Product Description	
Host	Rabbit
Gene ID	3620
Gene Symbol	IDO1
Species	Human
Immunogen	Synthetic peptide derived from the C-terminus of human Indoleamine 2,3-dioxygenase/IDO protein. (Uniprot: P14902)

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	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

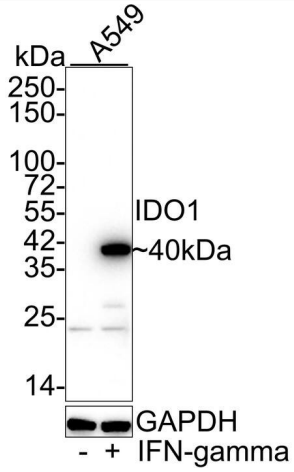
Lysates/proteins at 20 ug/Lane.

Predicted band size: 45 kDa
Observed band size: 40 kDa

Exposure time: 17 seconds;

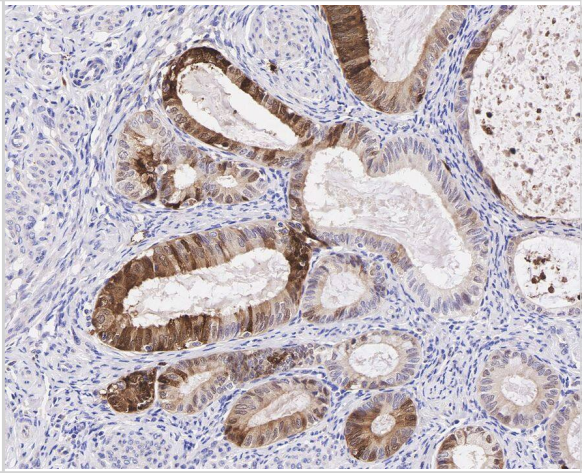
4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (NBP3-32457) at 1/1,000 dilution was used in 5% NFDM/TBST at 4C 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.

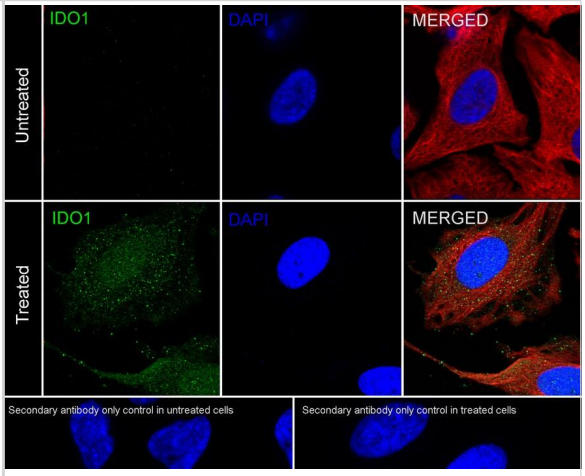
The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody (NBP3-32457) at 1/200 dilution for 1 hour at room 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 □. 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□. Goat Anti-Mouse IgG H&L (iFluor™ 594) was used as the secondary antibody at 1/1,000 dilution.



Novus Biologicals USA
10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada
21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd
19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information
www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP3-32457

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-51723-0.1mg	Recombinant Human Indoleamine 2,3-dioxygenase/IDO His Protein

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP3-32457

Earn gift cards/discounts by submitting a publication using this product: www.novusbio.com/publications