

Product Datasheet

Indoleamine 2,3-dioxygenase/IDO Antibody - BSA Free NBP1-87702

Unit Size: 0.1 ml

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

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NBP1-87702

Indoleamine 2,3-dioxygenase/IDO Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Target Molecular Weight	45 kDa

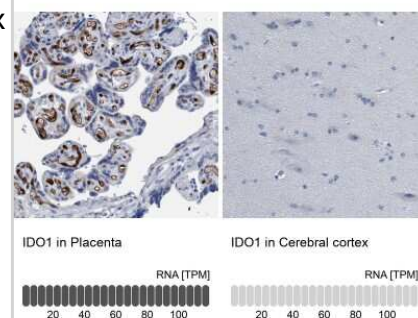
Product Description	
Host	Rabbit
Gene ID	3620
Gene Symbol	IDO1
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: LCSLESNPSVREFVLSKGDAGLREAYDACVKALVSLRSYHLQIVTKYILIPASQQ PKENKTSEDPSKLEAKGTGGTDLMNFLK

Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04 - 0.4 ug/ml, Simple Western 1:20, Immunohistochemistry 1:50 - 1:200, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. See Simple Western Antibody Database for Simple Western validation: Tested in OVCAR-3, h. Tonsil, raji, daudi, separated by Size, antibody dilution of 1:20, apparent MW was 69 kDa. Separated by Size-Wes, Sally Sue/Peggy Sue.

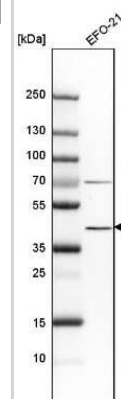


Images

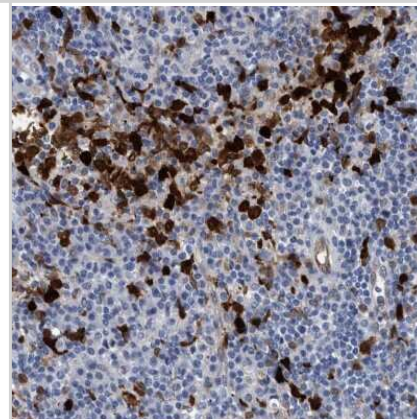
Immunohistochemistry-Paraffin: Indoleamine 2,3-dioxygenase/IDO Antibody [NBP1-87702] - Staining in human placenta and cerebral cortex tissues . Corresponding IDO1 RNA-seq data are presented for the same tissues.



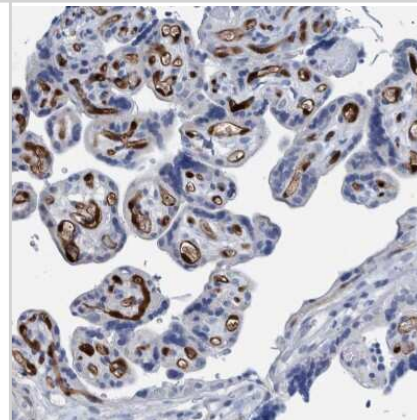
Western Blot: Indoleamine 2,3-dioxygenase/IDO Antibody [NBP1-87702] - Analysis in human cell line EFO-21.



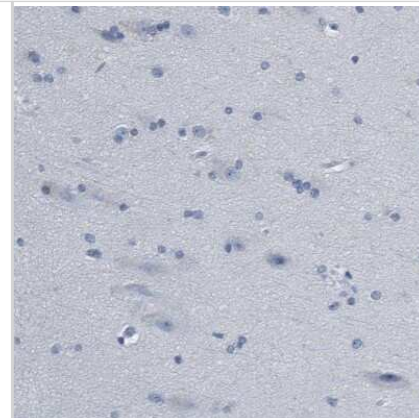
Immunohistochemistry-Paraffin: Indoleamine 2,3-dioxygenase/IDO Antibody [NBP1-87702] - Staining of human lymph node shows strong cytoplasmic and nuclear positivity in non-germinal center cells.



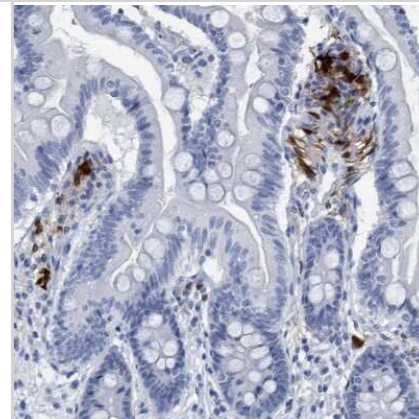
Immunohistochemistry-Paraffin: Indoleamine 2,3-dioxygenase/IDO Antibody [NBP1-87702] - Immunohistochemical staining of human placenta shows strong cytoplasmic and nuclear positivity in endothelial cells.



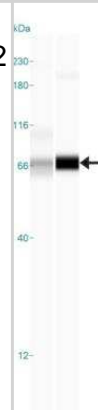
Immunohistochemistry-Paraffin: Indoleamine 2,3-dioxygenase/IDO Antibody [NBP1-87702] - Immunohistochemical staining of human cerebral cortex shows no positivity as expected.



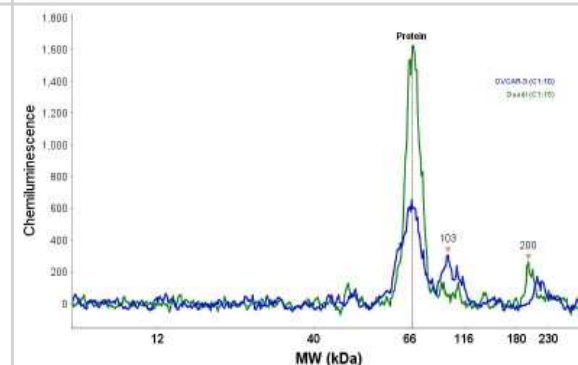
Immunohistochemistry-Paraffin: Indoleamine 2,3-dioxygenase/IDO Antibody [NBP1-87702] - Immunohistochemical staining of human small intestine shows strong cytoplasmic and nuclear positivity in a subset of leukocytes.



Simple Western: Indoleamine 2,3-dioxygenase/IDO Antibody [NBP1-87702] - Simple Western lane view shows a specific band for IDO1 in 0.2 mg/ml of OVCAR-3 (left), h. Tonsil, raji, daudi lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Simple Western: Indoleamine 2,3-dioxygenase/IDO Antibody [NBP1-87702] - Electropherogram image(s) of corresponding Simple Western lane view. Indoleamine 2,3-dioxygenase/IDO antibody was used at 1:20 dilution on OVCAR-3, h. Tonsil, Raji, and Daudi lysate(s).



Publications

Arnaud Jacquerie, Ann Hoebe, Daniëlle B. P. Eekers, Alida A. Postma, Maxime Vanmechelen, Frederik de Smet, Linda Ackermans, Monique Anten, Kim Severens, Axel zur Hausen, Martinus P. G. Broen, Jan Beckervordersandforth Prognostic relevance of high expression of kynurenine pathway markers in glioblastoma Scientific Reports 2024-06-28 [PMID: 38951170]

Tadokoro H, Hirayama A, Kudo R et al. Adenosine leakage from perforin-burst extracellular vesicles inhibits perforin secretion by cytotoxic T-lymphocytes PLoS ONE 2020-04-10 [PMID: 32275689] (WB, Human)

Guastella AR, Michelhaugh SK, Klinger NV et al. Investigation of the aryl hydrocarbon receptor and the intrinsic tumoral component of the kynurenine pathway of tryptophan metabolism in primary brain tumors. J. Neurooncol. 2018-04-17 [PMID: 29667084] (Human)

Bosnyak E, Kamson DO, Guastella AR et al. Molecular imaging correlates of tryptophan metabolism via the kynurenine pathway in human meningiomas. Neuro Oncol 2015-09-01 [PMID: 26092774] (IF/IHC)

Guastella AR, Michelhaugh SK, Klinger NV et al. Tryptophan PET Imaging of the kynurenine Pathway in Patient-Derived Xenograft Models of Glioblastoma. Mol Imaging. 2016-05-06 [PMID: 27151136] (IHC-P, Human)





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Products Related to NBP1-87702

NBP1-87702PEP	Indoleamine 2,3-dioxygenase/IDO Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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