

# Product Datasheet

## Indoleamine 2,3-dioxygenase/IDO Antibody - BSA Free NBP1-87703

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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**NBP1-87703**

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

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<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>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

**Product Description**

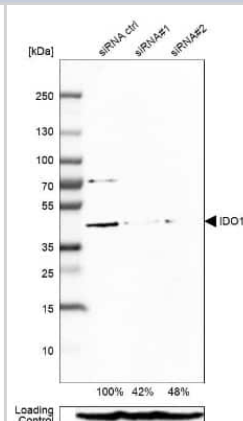
<b>Host</b>	Rabbit
<b>Gene ID</b>	3620
<b>Gene Symbol</b>	IDO1
<b>Species</b>	Human
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: MAHAMENSWTISKEYHIDEVGFALPNPQENLPDFYNDWMFIAKHLPDLIESG QLRERVEKLNMLSIDHLTDHKSQRLARLVLCITMAYVWGKGHGDVRKVL

**Product Application Details**

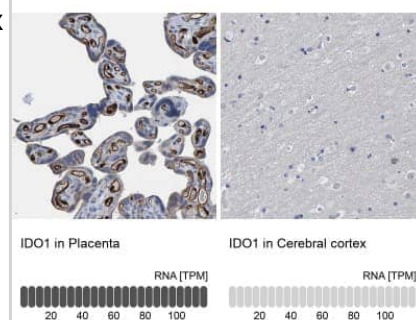
<b>Applications</b>	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:1000 - 1:2500, Immunohistochemistry-Paraffin 1:1000 - 1:2500, Knockdown Validated
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

**Images**

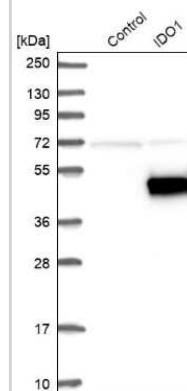
Western Blot: Indoleamine 2,3-dioxygenase/IDO Antibody [NBP1-87703]  
- Analysis in EFO-21 cells transfected with control siRNA, target specific siRNA probe #1 and #2, using anti-IDO1 antibody. Remaining relative intensity is presented. Loading control: anti-PPIB.



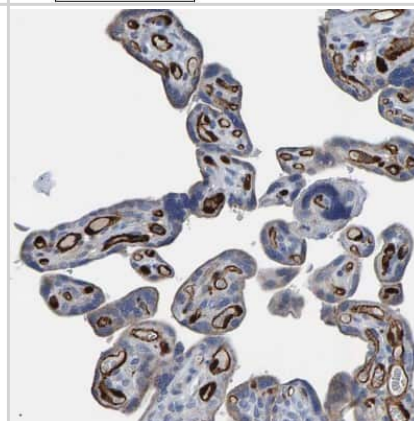
**Immunohistochemistry-Paraffin: Indoleamine 2,3-dioxygenase/IDO Antibody [NBP1-87703]** - Staining in human placenta and cerebral cortex tissues . Corresponding IDO1 RNA-seq data are presented for the same tissues.



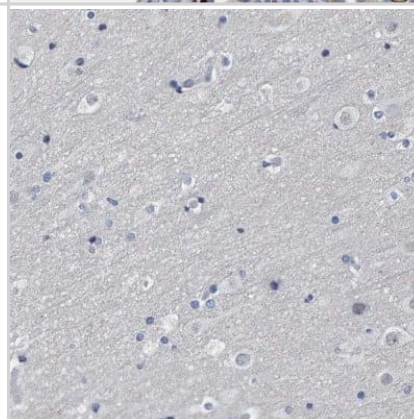
**Western Blot: Indoleamine 2,3-dioxygenase/IDO Antibody [NBP1-87703]** - Analysis in control (vector only transfected HEK293T lysate) and IDO1 over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (3.1 kDa) in mammalian HEK293T cells).



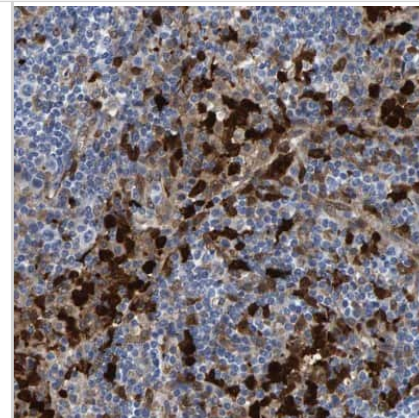
**Immunohistochemistry-Paraffin: Indoleamine 2,3-dioxygenase/IDO Antibody [NBP1-87703]** - Staining of human placenta shows moderate to strong cytoplasmic positivity in endothelial cells.



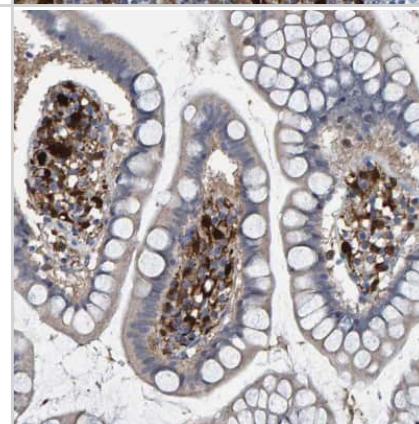
**Immunohistochemistry-Paraffin: Indoleamine 2,3-dioxygenase/IDO Antibody [NBP1-87703]** - Staining of human cerebral cortex shows no cytoplasmic positivity in neuronal cells as expected.



Immunohistochemistry-Paraffin: Indoleamine 2,3-dioxygenase/IDO Antibody [NBP1-87703] - Staining of human lymph node shows strong positivity in non - germinal center cells.



Immunohistochemistry-Paraffin: Indoleamine 2,3-dioxygenase/IDO Antibody [NBP1-87703] - Staining of human small intestine shows moderate to strong positivity in lymphoid cells.



## Publications

Workman MJ, Troisi E, Targan SR, et al. Modeling Intestinal Epithelial Response to Interferon- $\gamma$  in Induced Pluripotent Stem Cell-Derived Human Intestinal Organoids International journal of molecular sciences 2020-12-30 [PMID: 33396621] (WB, ICC/IF, Human)

Mehra S, Alvarez X, Didier PJ et al. Granuloma Correlates of Protection Against Tuberculosis and Mechanisms of Immune Modulation by Mycobacterium tuberculosis. J Infect Dis 2013-04-01 [PMID: 23255564]



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### **Products Related to NBP1-87703**

NBP1-87703PEP	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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