

# Product Datasheet

## Kynurenine 3-Monooxygenase/KMO Antibody - BSA Free NBP1-86335

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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**NBP1-86335****Kynurenine 3-Monooxygenase/KMO Antibody - BSA Free**

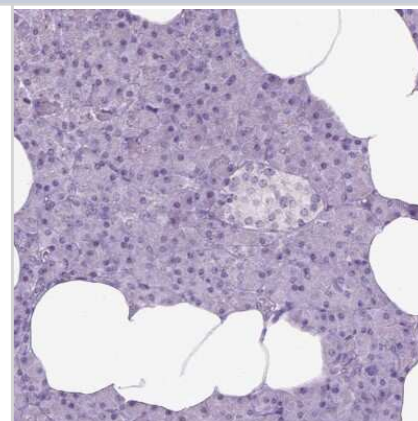
<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</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

<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	8564
<b>Gene Symbol</b>	KMO
<b>Species</b>	Human
<b>Reactivity Notes</b>	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (82%), Rat (84%)
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: GLVGS LQACFLAKRNFQIDVYEAREDTRVATFTRGRSINLALSHRGRQALKAVG LEDQIVSQGIPMRARMIHSLSGKKS AIPYGTKSQYILSVSRENLNKDLLTAAEKY PNVKMHFNHR

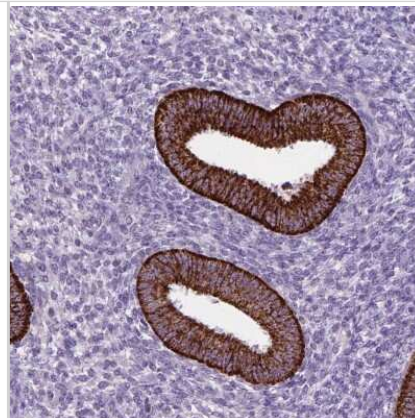
<b>Product Application Details</b>	
<b>Applications</b>	Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Immunohistochemistry 1:2500 - 1:5000, Immunohistochemistry-Paraffin 1:2500 - 1:5000
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

**Images**

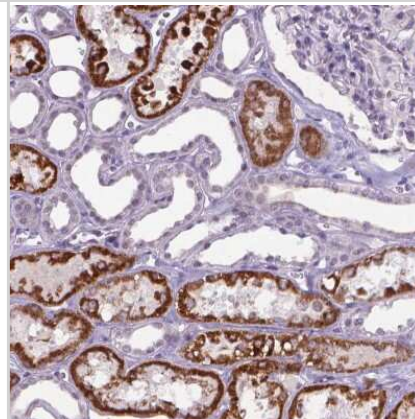
Immunohistochemistry-Paraffin: Kynurenine 3-Monooxygenase/KMO Antibody [NBP1-86335] - Staining of human pancreas shows no cytoplasmic positivity as expected.



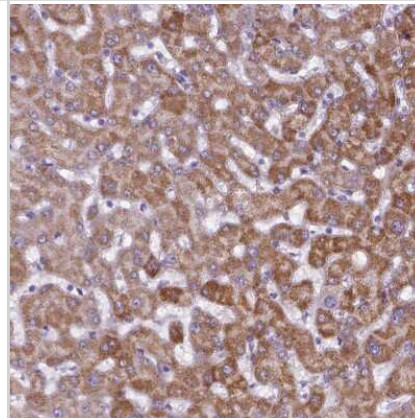
Immunohistochemistry-Paraffin: Kynurenine 3-Monooxygenase/KMO Antibody [NBP1-86335] - Staining of human endometrium shows strong cytoplasmic positivity in glandular cells.



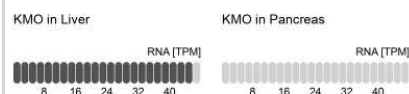
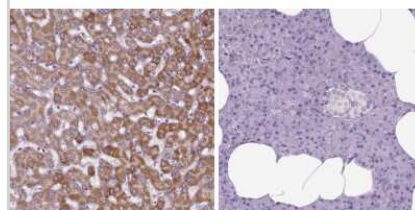
Immunohistochemistry-Paraffin: Kynurenine 3-Monooxygenase/KMO Antibody [NBP1-86335] - Staining of human kidney shows moderate to strong cytoplasmic positivity in cells in tubules.



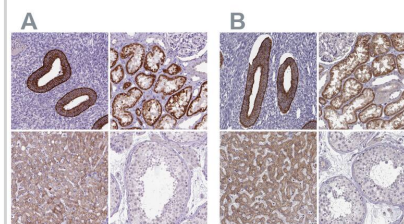
Immunohistochemistry-Paraffin: Kynurenine 3-Monooxygenase/KMO Antibody [NBP1-86335] - Staining of human liver shows moderate cytoplasmic positivity in hepatocytes.



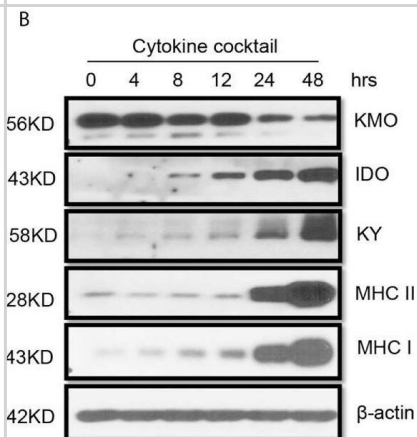
Immunohistochemistry-Paraffin: Kynurenine 3-Monooxygenase/KMO Antibody [NBP1-86335] - Staining in human liver and pancreas tissues . Corresponding KMO RNA-seq data are presented for the same tissues.



Staining of human endometrium, kidney, liver and testis using NBP1-86335 (A) shows similar protein distribution across tissues to independent antibody NBP2-54915 (B).



Western Blot: Kynurenine 3-Monooxygenase/KMO Antibody [NBP1-86335] - Western blot analysis of function protein expression on primary human renal cortical epithelial cells challenged with cytokines. Primary human renal tubular epithelial cells are challenged with cytokine cocktail (15nM IFN $\gamma$ , 6nM TNF $\alpha$ , & 3nM IL1 $\beta$ ). (A, B) Expression of Snail, E-Cad, TJP1, SMA, AhR, IDO, KMO, KY, MHC I & II. (C, D) Densitometric quantitation of protein in (A, B). All Western blots are representative of at least three independent experiments. \*P < 0.05, \*\*\*P < 0.0001 versus to cells without treatment, analysis is multiple t-tests, pairwise comparison of individual time-point to control indicated same p-value. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/34305900>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



## Publications

Lassiter R, Merchen Td, Fang X, Wang Y Protective Role of Kynurenine 3-Monooxygenase in Allograft Rejection and Tubular Injury in Kidney Transplantation *Frontiers in immunology* 2021-07-07 [PMID: 34305900]



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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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