

# Product Datasheet

## PEX5 Antibody - BSA Free NBP1-87185

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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### Publications: 4

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Updated 2/21/2025 v.20.1

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**NBP1-87185**

PEX5 Antibody - BSA Free

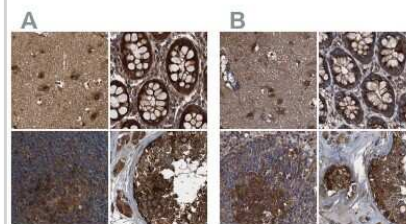
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Host	Rabbit
Gene ID	5830
Gene Symbol	PEX5
Species	Human, Mouse
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: DAVDVTQDYNEDWSQEFISEVTDPLSVSPARWAEYLEQSEEKLWLGEPEG TATDRWYDEYHPEEDLQHTASDFVAKVDDPKLA

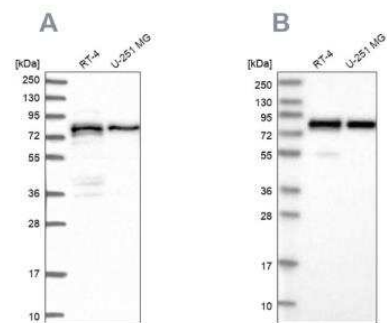
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

**Images**

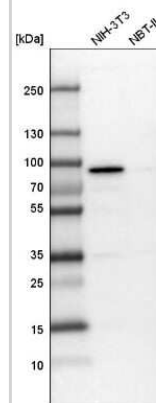
Immunohistochemistry-Paraffin: PEX5 Antibody [NBP1-87185] - Staining of human cerebral cortex, colon, lymph node and testis using Anti-PEX5 antibody NBP1-87185 (A) shows similar protein distribution across tissues to independent antibody NBP2-38443 (B).



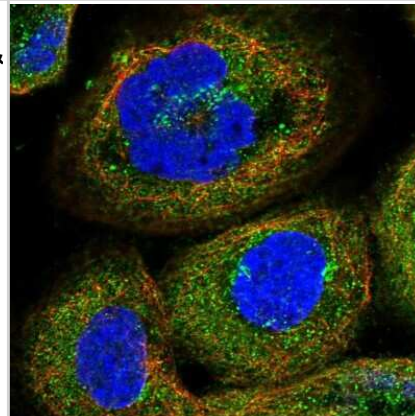
Western Blot: PEX5 Antibody [NBP1-87185] - Analysis using Anti-PEX5 antibody NBP1-87185 (A) shows similar pattern to independent antibody NBP2-38443 (B).



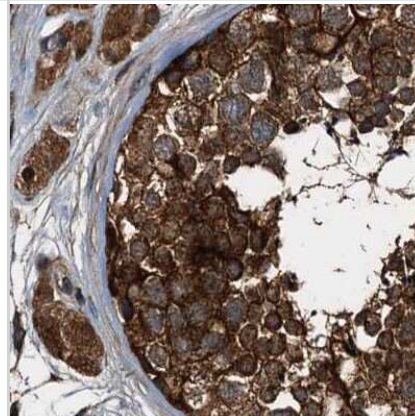
Western Blot: PEX5 Antibody [NBP1-87185] - Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



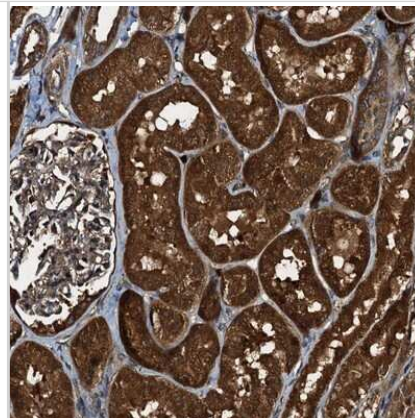
Immunocytochemistry/Immunofluorescence: PEX5 Antibody [NBP1-87185] - Staining of human cell line A-431 shows localization to cytosol & the Golgi apparatus. Antibody staining is shown in green.



Immunohistochemistry-Paraffin: PEX5 Antibody [NBP1-87185] - Staining of human testis using Anti-PEX5 antibody NBP1-87185.



Immunohistochemistry-Paraffin: PEX5 Antibody [NBP1-87185] - Staining of human kidney shows strong cytoplasmic positivity in cells of tubules.



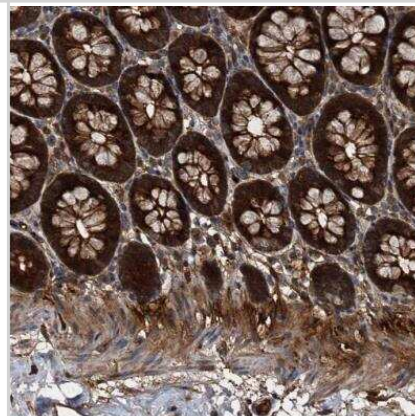
Immunohistochemistry-Paraffin: PEX5 Antibody [NBP1-87185] - Staining of human lymph node using Anti-PEX5 antibody.



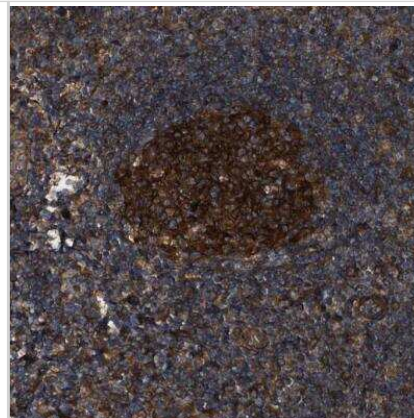
Immunohistochemistry-Paraffin: PEX5 Antibody [NBP1-87185] - Staining of human cerebral cortex using Anti-PEX5 antibody.



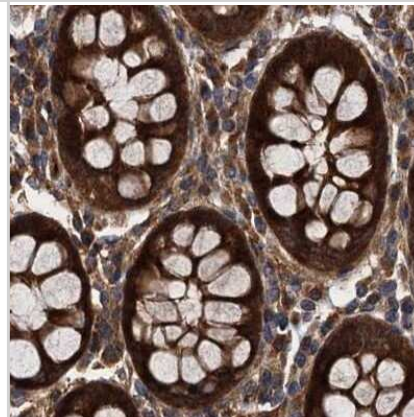
Immunohistochemistry-Paraffin: PEX5 Antibody [NBP1-87185] - Staining of human colon shows strong cytoplasmic positivity in glandular cells.



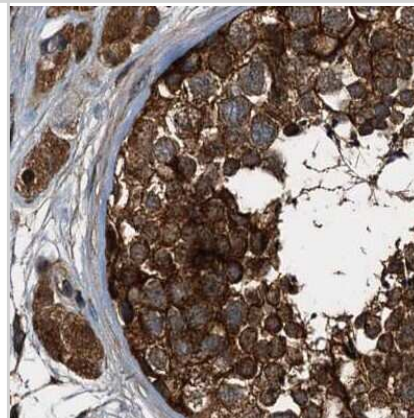
Immunohistochemistry-Paraffin: PEX5 Antibody [NBP1-87185] - Staining of human tonsil shows strong cytoplasmic positivity in germinal center cells.



Immunohistochemistry-Paraffin: PEX5 Antibody [NBP1-87185] - Staining of human colon using Anti-PEX5 antibody NBP1-87185.



Immunohistochemistry-Paraffin: PEX5 Antibody [NBP1-87185] - Staining of human testis using Anti-PEX5 antibody NBP1-87185.



## Publications

Fu X, Wan P, Lu L et al. Peroxisome Deficiency in Cochlear Hair Cells Causes Hearing Loss by Deregulating BK Channels *Advanced science* (Weinheim, Baden-Wuerttemberg, Germany) 2023-05-12 [PMID: 37171794] (IHC, WB, Mouse)

Balakrishnan A Glial cells in health and disease Thesis 2020-01-01 (WB, Human)

Chen BH, Chang YJ, Lin S, Yang WY Hsc70/Stub1 promotes the removal of individual oxidatively stressed peroxisomes *Nat Commun* 2020-10-19 [PMID: 33077711] (WB, Mouse)

Balakrishnan A, Adnani L, Chinchalongporn V et al. SMPD3-mediated extracellular vesicle biogenesis inhibits oligodendrogloma growth *bioRxiv* 2020-07-15 (WB)



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### **Products Related to NBP1-87185**

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NBP1-87185PEP	PEX5 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

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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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