

Product Datasheet

Phenylalanine Hydroxylase Antibody - BSA Free NBP2-48615

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: 1

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Updated 12/2/2025 v.20.1

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NBP2-48615**Phenylalanine Hydroxylase Antibody - BSA Free**

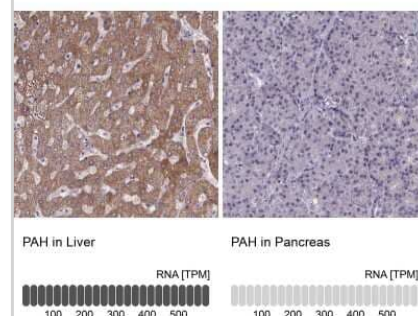
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Description	Novus Biologicals Rabbit Phenylalanine Hydroxylase Antibody - BSA Free (NBP2-48615) is a polyclonal antibody validated for use in IHC and WB. Anti-Phenylalanine Hydroxylase Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	5053
Gene Symbol	PAH
Species	Human
Immunogen	This antibody was developed against a recombinant protein corresponding to amino acids: IGLASLGAPDEYIEKLATIWFTVEFGLCKQGDSIKAYGAGLLSSFGE LQYCLSE KPKLLPLELEKTAIQNYTVTEFQPLYVAESFNDAKEKVRNFAATIPRPFSVRYD PYTQRIEVL DNTQQLKILADSINSEIGILCSALQ

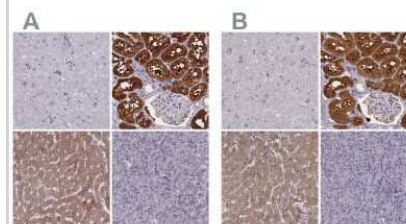
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

Images

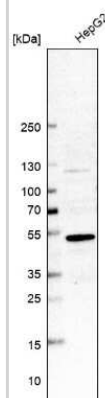
Immunohistochemistry-Paraffin: Phenylalanine Hydroxylase Antibody [NBP2-48615] - Analysis in human liver and pancreas tissues. Corresponding Phenylalanine Hydroxylase RNA-seq data are presented for the same tissues.



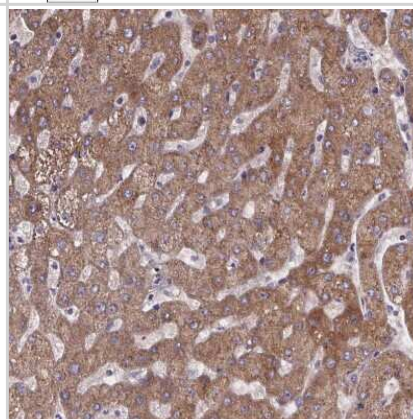
Immunohistochemistry-Paraffin: Phenylalanine Hydroxylase Antibody [NBP2-48615] - Staining of human cerebral cortex, kidney, liver and pancreas using Anti-Phenylalanine Hydroxylase antibody NBP2-48615 (A) shows similar protein distribution across tissues to independent antibody NBP1-80917 (B).



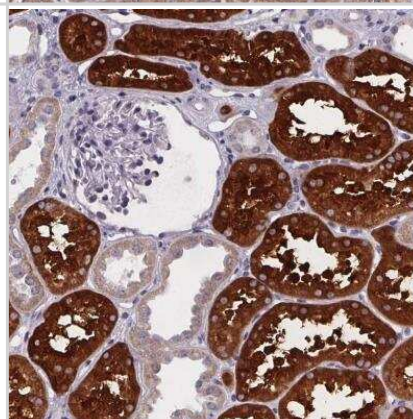
Western Blot: Phenylalanine Hydroxylase Antibody [NBP2-48615] - Analysis in human cell line HepG2.



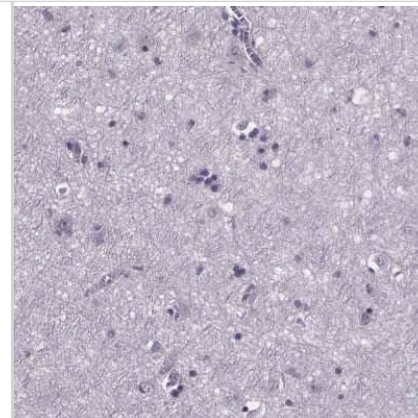
Immunohistochemistry-Paraffin: Phenylalanine Hydroxylase Antibody [NBP2-48615] - Staining of human liver shows moderate to strong cytoplasmic positivity in hepatocytes.



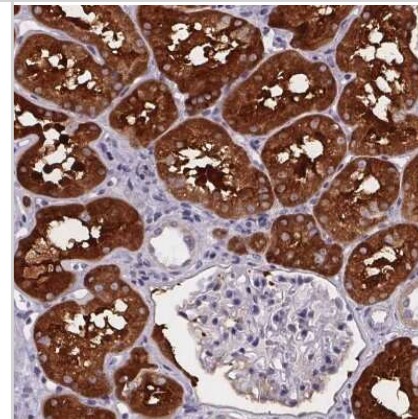
Immunohistochemistry-Paraffin: Phenylalanine Hydroxylase Antibody [NBP2-48615] - Staining of human kidney shows strong cytoplasmic positivity in cells in tubules.



Immunohistochemistry-Paraffin: Phenylalanine Hydroxylase Antibody [NBP2-48615] - Staining of human cerebral cortex shows no positivity in neurons as expected.



Immunohistochemistry-Paraffin: Phenylalanine Hydroxylase Antibody [NBP2-48615] - Staining of human kidney shows strong cytoplasmic positivity in cells in proximal tubules.



Publications

Valsecchi V, Errico F, Bassareo V et al. SMN deficiency perturbs monoamine neurotransmitter metabolism in spinal muscular atrophy Communications biology 2023-11-13 [PMID: 37957344] (WB, Mouse)

Details:

1:1000 WB dilution



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Products Related to NBP2-48615

NBP2-48615PEP	Phenylalanine Hydroxylase 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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