

Product Datasheet

Tryptophan Hydroxylase 1/TPH-1 Antibody - BSA Free NBP1-86922

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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Updated 2/21/2025 v.20.1

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NBP1-86922

Tryptophan Hydroxylase 1/TPH-1 Antibody - BSA Free

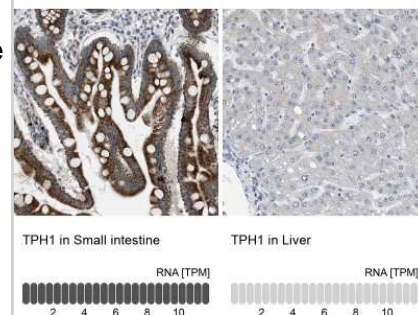
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Host	Rabbit
Gene ID	7166
Gene Symbol	TPH1
Species	Human
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (85%), Rat (86%)
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: ISELKHALS SGHAKVKPFDPKITCKQECLITTFQDVYFVSESFEDA KEKMREFTKTI KRPFGVKYNPYTRSILKDKTSITSAMNELQHDLDVVSDALAKVSRKPSI

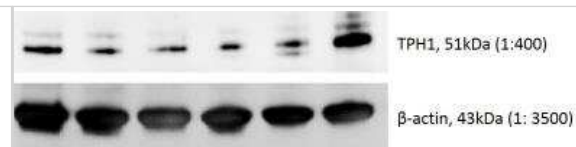
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot Validated from a verified customer review, Immunohistochemistry 1:50 - 1:200, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

Images

Immunohistochemistry-Paraffin: Tryptophan Hydroxylase 1/TPH-1 Antibody [NBP1-86922] - Staining in human small intestine and liver tissues. Corresponding TPH1 RNA-seq data are presented for the same tissues.



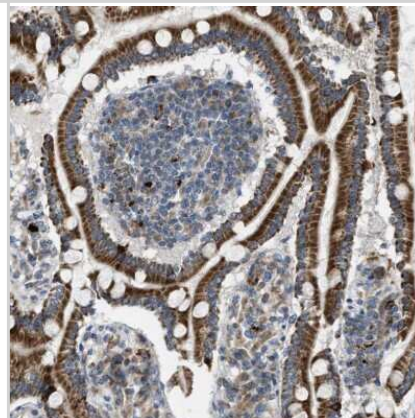
Western Blot: Tryptophan Hydroxylase 1/TPH-1 Antibody [NBP1-86922]
- Human melanoma cell line A375 and 5 patient melanoma tissue samples. 15 ug cell lysate per lane. TPH1 antibody at 1:400, 4C O/N.
WB image submitted by a verified customer review.



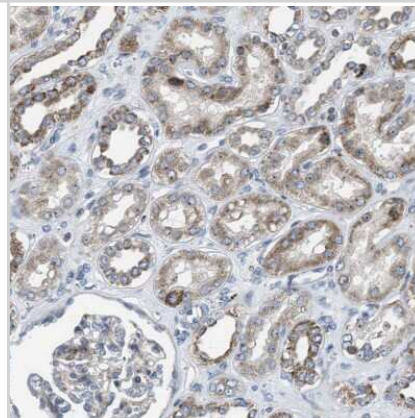
Immunohistochemistry-Paraffin: Tryptophan Hydroxylase 1/TPH-1 Antibody [NBP1-86922] - Staining of human small intestine shows moderate to strong cytoplasmic positivity in glandular cells.



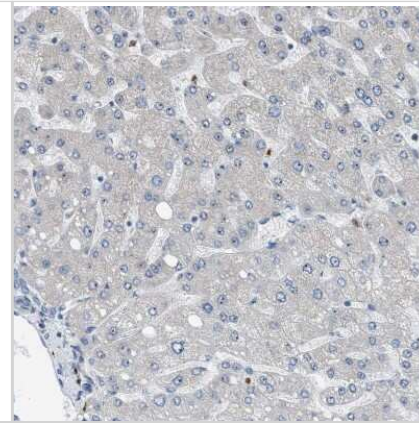
Immunohistochemistry-Paraffin: Tryptophan Hydroxylase 1/TPH-1 Antibody [NBP1-86922] - Staining of human duodenum shows moderate to strong cytoplasmic positivity in glandular cells.



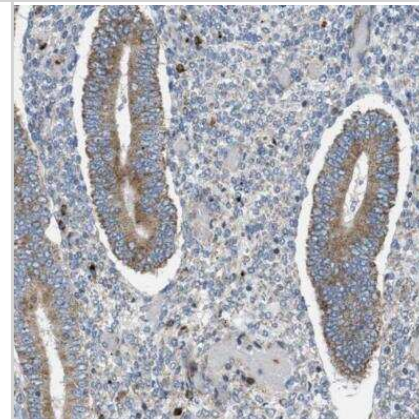
Immunohistochemistry-Paraffin: Tryptophan Hydroxylase 1/TPH-1 Antibody [NBP1-86922] - Staining of human kidney shows moderate to strong cytoplasmic positivity in cells in tubules.



Immunohistochemistry-Paraffin: Tryptophan Hydroxylase 1/TPH-1 Antibody [NBP1-86922] - Staining of human liver shows no positivity in hepatocytes as expected.



Immunohistochemistry-Paraffin: Tryptophan Hydroxylase 1/TPH-1 Antibody [NBP1-86922] - Staining of human endometrium shows moderate cytoplasmic positivity in glandular cells.



Publications

Chen Z, Feng J, Hu S Et al. Bacillus Subtilis Promotes the Release of 5-HT to Regulate Intestinal Peristalsis in STC Mice via Bile Acid and Its Receptor TGR5 Pathway Digestive diseases and sciences 2021-11-19 [PMID: 34797444]



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Products Related to NBP1-86922

NBP1-86922PEP	Tryptophan Hydroxylase 1/TPH-1 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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