

Product Datasheet

Tryptophan hydroxylase 2 Antibody (PSH04-89) NBP3-33037

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP3-33037**Tryptophan hydroxylase 2 Antibody (PSH04-89)**

Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	PSH04-89
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	PBS (pH7.4), 0.1% BSA and 40% Glycerol
Target Molecular Weight	56 kDa

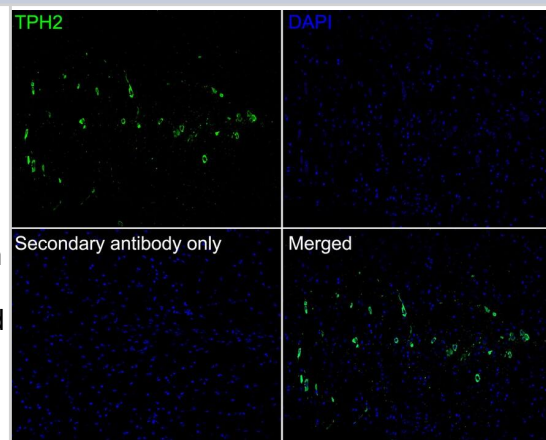
Product Description	
Description	Novus Biologicals Rabbit Tryptophan hydroxylase 2 Antibody (PSH04-89) (NBP3-33037) is a recombinant monoclonal antibody validated for use in IHC and WB. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	121278
Gene Symbol	TPH2
Species	Mouse, Rat
Immunogen	Recombinant protein. (Uniprot: Q8CGV2)

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry, Immunohistochemistry-Paraffin 1:500, Immunohistochemistry-Frozen 1:200

Images

Immunohistochemistry-Frozen: Tryptophan hydroxylase 2 Antibody (PSH04-89) [NBP3-33037] - Immunofluorescence analysis of frozen mouse brain (raphe nucleus) tissue with Rabbit anti-Tryptophan hydroxylase 2 antibody (NBP3-33037) at 1/200 dilution.

The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for about 2 minutes in microwave oven. The tissues were blocked in 10% negative goat serum for 1 hour at room temperature, washed with PBS, and then probed with the primary antibody (NBP3-33037, green) at 1/200 dilution overnight at 4 °C, washed with PBS. Goat Anti-Rabbit IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. Nuclei were counterstained with DAPI (blue).



Western Blot: Tryptophan hydroxylase 2 Antibody (PSH04-89) [NBP3-33037] - Western blot analysis of Tryptophan hydroxylase 2 on different lysates with Rabbit anti-Tryptophan hydroxylase 2 antibody (NBP3-33037) at 1/1,000 dilution.

Lane 1: Mouse hippocampus tissue lysate
 Lane 2: Mouse brain tissue lysate
 Lane 3: Rat brain tissue lysate
 Lane 4: Rat hippocampus tissue lysate

Lysates/proteins at 30 ug/Lane.

Predicted band size: 56 kDa
 Observed band size: 50 kDa

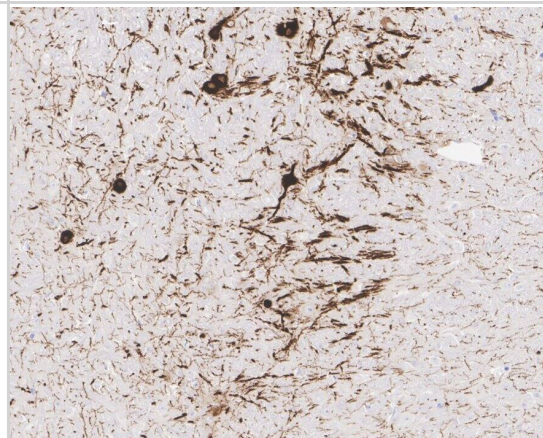
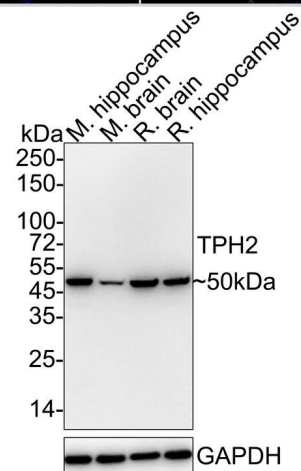
Exposure time: 1 minute 18 seconds; ECL;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDN/TBST for 1 hour at room temperature. The primary antibody (NBP3-33037) at 1/1,000 dilution was used in 5% NFDN/TBST at 4°C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.

Immunohistochemistry: Tryptophan hydroxylase 2 Antibody (PSH04-89) [NBP3-33037] - Immunohistochemical analysis of paraffin-embedded mouse brain tissue with Rabbit anti-Tryptophan hydroxylase 2 antibody (NBP3-33037) at 1/500 dilution.

The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (NBP3-33037) at 1/500 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.





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Products Related to NBP3-33037

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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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