

# Product Datasheet

## Tyrosine Hydroxylase Antibody (5C7.2E8) - Azide and BSA Free NBP2-81002

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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**NBP2-81002**

Tyrosine Hydroxylase Antibody (5C7.2E8) - Azide and BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	5C7.2E8
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG2a Kappa
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS
<b>Target Molecular Weight</b>	60 kDa

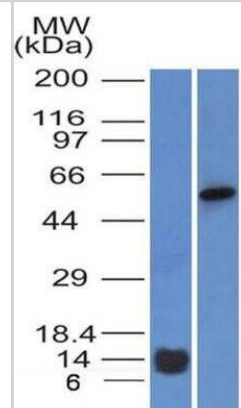
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	7054
<b>Gene Symbol</b>	TH
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	This Tyrosine Hydroxylase Antibody (5C7.2E8) is made against partial recombinant human tyrosine hydroxylase protein made to a C-terminal sequence (between amino acids 300-528) [Uniprot: P07101].

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 3 ug/ml, Immunohistochemistry 5-15 ug/ml, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 5-15 ug/ml

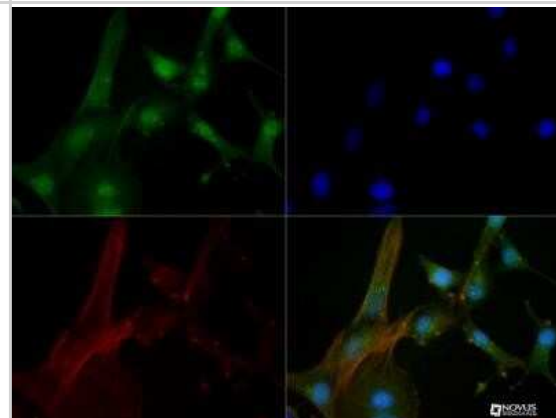


## Images

**Western Blot: Tyrosine Hydroxylase Antibody (5C7.2E8) - Azide and BSA Free [NBP2-81002]** - Western blot analysis of a partial recombinant human Tyrosine Hydroxylase protein and a lysate of HEK293 cells using 3 ug/mL of Tyrosine Hydroxylase antibody clone 5C7.2E8. The antibody detected ~11 kDa and ~58 kDa specific bands representing the recombinant and the endogenous TH proteins respectively. Image from the standard format of this antibody.



**Immunocytochemistry/Immunofluorescence: Tyrosine Hydroxylase Antibody (5C7.2E8) - Azide and BSA Free [NBP2-81002]** - PC-12 cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton X-100. The cells were incubated with Tyrosine Hydroxylase (5C7.2E8) at a 1:100 dilution overnight at 4 degrees C and detected with DyLight 488 (green). Actin was detected with Phalloidin 568 (red) at a 1:200 dilution. Nuclei were detected with DAPI (blue). Cells were imaged using a 40X objective. Image from the standard format of this antibody.



**Immunohistochemistry: Tyrosine Hydroxylase Antibody (5C7.2E8) - Azide and BSA Free [NBP2-81002]** - Immunohistochemical analysis of a FFPE tissue section of human brain/substantia nigra using Tyrosine Hydroxylase antibody (clone 5C7.2E8) at 15 ug/mL. This representative photomicrograph shows strong immunostaining of tyrosine hydroxylase/TH in TH-positiv





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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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