

# Product Datasheet

## Tryptophan Hydroxylase 1/TPH-1 Antibody - Azide Free NB300-176

Unit Size: 0.1 ml

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

[www.novusbio.com](http://www.novusbio.com)



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### Publications: 2

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**NB300-176****Tryptophan Hydroxylase 1/TPH-1 Antibody - Azide Free**

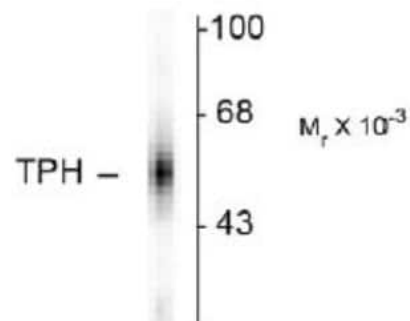
Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	10mM HEPES (pH 7.5), 0.15M NaCl, 0.1 mg/ml BSA and 50% Glycerol
<b>Target Molecular Weight</b>	55 kDa

Product Description	
<b>Description</b>	Novus Biologicals Sheep Tryptophan Hydroxylase 1/TPH-1 Antibody - Azide Free (NB300-176) is a polyclonal antibody validated for use in IHC and WB. Anti-Tryptophan Hydroxylase 1/TPH-1 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Sheep
<b>Gene ID</b>	7166
<b>Gene Symbol</b>	TPH1
<b>Species</b>	Human, Mouse, Rat, Rabbit (Negative)
<b>Reactivity Notes</b>	Reactivity assumed based on sequence identity to a wide variety of mammalian species. Mouse reactivity reported in scientific literature (PMID: 28456683).
<b>Specificity/Sensitivity</b>	Specific for endogenous levels of the ~55 kDa Tryptophan Hydroxylase 1/TPH-1 protein.
<b>Immunogen</b>	Recombinant rabbit tryptophan hydroxylase, isolated as inclusion bodies from E. coli and purified by preparative SDS-PAGE. Accession # P17290

Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry, Immunohistochemistry-Frozen
<b>Recommended Dilutions</b>	Western Blot 1:1000, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Frozen 1:1000

**Images**

Western Blot: Tryptophan Hydroxylase 1/TPH-1 Antibody [NB300-176] - Western blot of human dorsal Raphe nucleus showing specific immunolabeling of the ~55k tryptophan hydroxylase protein.

**Anti-Tryptophan Hydroxylase**

## Publications

Qu C, Yuan ZW, Yu XT et al. Patchouli alcohol ameliorates dextran sodium sulfate-induced experimental colitis and suppresses tryptophan catabolism. *Pharmacol. Res.* 2017-04-26 [PMID: 28456683] (WB, Mouse)

Haycock JW, Kumer SC, Lewis DA, Vrana KE, Stockmeier CA. A monoclonal antibody to tryptophan hydroxylase: applications and identification of the epitope. *J. Neurosci. Methods.* 114(2):205-12. 2002-01-01 [PMID: 11856572]





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### **Products Related to NB300-176**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF016	Donkey anti-Sheep IgG Secondary Antibody [HRP]
NL010	Donkey anti-Sheep IgG Secondary Antibody [NL557]
NBP1-97055-10mg	Sheep 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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