

# Product Datasheet

## Tyrosine Hydroxylase [p Ser31] Antibody - Azide Free NB300-211

Unit Size: 0.1 ml

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

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



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**Publications: 8**

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**NB300-211****Tyrosine Hydroxylase [p Ser31] Antibody - Azide Free**

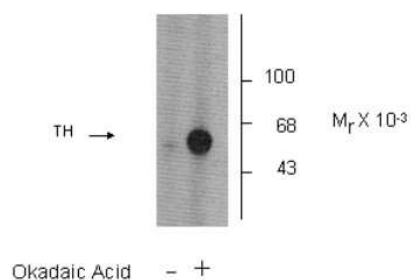
Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	10 mM HEPES (pH 7.5), 0.15 M NaCl, 0.1 mg/mL BSA, 50% Glycerol
Target Molecular Weight	60 kDa

Product Description	
Host	Rabbit
Gene ID	7054
Gene Symbol	TH
Species	Human, Mouse, Rat
Reactivity Notes	Use in Human reported in scientific literature (PMID:32796843).
Marker	Neuronal Marker
Specificity/Sensitivity	Specific for endogenous levels of the ~60 kDa tyrosine hydroxylase protein phosphorylated at Ser31.
Immunogen	Synthetic phospho-peptide corresponding to amino acid residues surrounding Tyrosine Hydroxylase conjugated to KLH. Accession # P04177

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry 1:1000, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Frozen 1:1000

**Images**

Western Blot: Tyrosine Hydroxylase [p Ser31] Antibody [NB300-211] - PC-12 cells incubated in the absence (Control) and presence of okadaic acid (OA, 1 uM for 60 min) showing specific immunolabeling of the ~60 kDa TH phosphorylated at Ser31.

Anti-Phospho Ser<sup>31</sup> Tyrosine Hydroxylase

## Publications

Tibenderana RM, Blumenthal MJ, Bukajumbe E et al. Clinical Significance of Elevated KSHV Viral Load in HIV-Related Kaposi's Sarcoma Patients in South Africa *Viruses* 2024-01-26 [PMID: 38399965]

Chew Y, Chung H, Lin P et al. Outer Membrane Vesicle Production by *Helicobacter pylori* Represents an Approach for the Delivery of Virulence Factors CagA, VacA and UreA into Human Gastric Adenocarcinoma (AGS) Cells *International Journal of Molecular Sciences* 2021-04-11 [PMID: 33920443] (WB)

Katila N, Bhurtel S, Park PH et al. Activation of AMPK/aPKC zeta/CREB pathway by metformin is associated with upregulation of GDNF and dopamine *Biochem. Pharmacol.* 2020-01-01 [PMID: 32800853] (WB, Mouse)

Tao H, Huang J, Yancey PG et al. Scavenging of reactive dicarbonyls with 2-hydroxybenzylamine reduces atherosclerosis in hypercholesterolemic Ldlr<sup>-/-</sup>-mice *Nat Commun* 2020-08-16 [PMID: 32796843] (WB, Human)

Liu, J, Takase, I, Hakucho, A et al. Carvedilol Attenuates the Progression of Alcohol Fatty Liver Disease in Rats *Alcoholism: Clinical and Experimental Research* 2012-01-01 [PMID: 22413959] (WB, Rat)

Witkovsky P, Gabriel R, Haycock JW et al. Influence of light and neural circuitry on tyrosine hydroxylase phosphorylation in the rat retina. *J Chem Neuroanat.* 2000-06-01 [PMID: 10936746]

Salvatore, MF et al. Stoichiometry of tyrosine hydroxylase phosphorylation in the nigrostriatal mesolimbic systems in vivo: effects of acute haloperidol related compounds. *J Neurochem*, 75: 225-232. 2000-01-01 [PMID: 10854265]

Xu, ZQ et al. Immunohistochemical studies on phosphorylation of tyrosine hydroxylase in central catecholamine neurons using site- phosphorylation state-specific antibodies. *Neurosci*, 82: 727-738. 1998-01-01 [PMID: 9483531]





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### **Products Related to NB300-211**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-42461	Recombinant Human Tyrosine Hydroxylase His Protein

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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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