

Tyrosine Hydroxylase Polyclonal Antibody

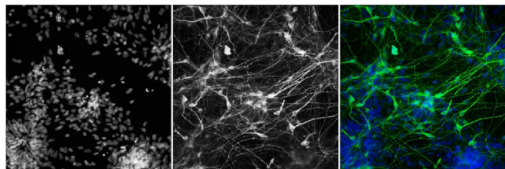
Product Details	
Size	100 µL
Species Reactivity	Human, Rat
Published Species	Rat, Fruit fly, Human, Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	SDS-denatured rat tyrosine hydroxylase, purified from pheochromocytoma.
Form	Liquid
Purification	purified
Storage buffer	0.01M HEPES, pH 7.5, with 50% glycerol, 0.15M NaCl, 100µg/mL BSA
Contains	no preservative
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2539844

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	4 Publications
Immunohistochemistry (IHC)	-	7 Publications
Immunohistochemistry (PFA fixed) (IHC (PFA))	-	2 Publications
Immunohistochemistry (Frozen) (IHC (F))	1:1,000	-
Immunocytochemistry (ICC/IF)	1:100-1:1,000	1 Publication

Product Images For Tyrosine Hydroxylase Polyclonal Antibody

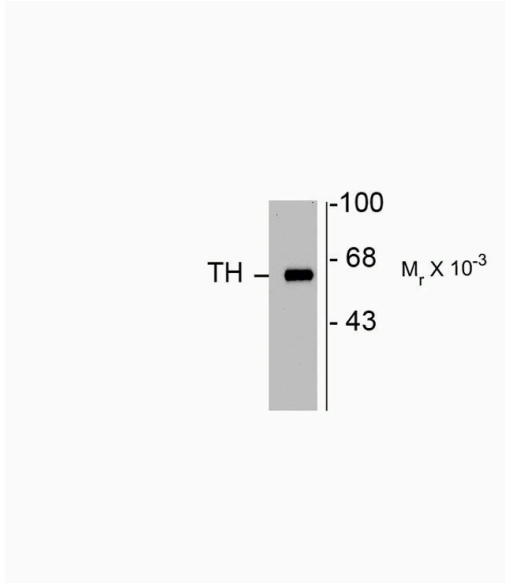
Tyrosine Hydroxylase Antibody (P21962) in IHC (F)

Immunofluorescence analysis of DA neurons using anti-tyrosine hydroxylase (TH) antibody. H9 ESCs were differentiated with PSC Dopaminergic neuron differentiation kit. H9 ESCs were specified to become midbrain floor plate (FP) progenitors which were further expanded and cryopreserved. Recovered FP progenitors were then matured for additional 14 days. Expression of TH was labeled with 1st antibody, anti-TH (Product # P21962) followed by 2nd antibody AlexaFluor488 goat anti-rabbit (Product # A-21206, green). Nuclear DNA was stained with DAPI (blue).



Tyrosine Hydroxylase Antibody (P21962) in WB

Western blot of 10 µg of rat caudate lysate showing specific immunolabeling of the ~60 kDa TH protein.



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Western Blot (4)

The Journal of neuroscience : the official journal of the Society for Neuroscience

Insulin Bidirectionally Alters NAc Glutamatergic Transmission: Interactions between Insulin Receptor Activation, Endogenous Opioids, and Glutamate Release.

"P21962 was used in Western Blot to understand how insulin influences excitatory transmission in the nucleus accumbens."

Authors: Fetterly TL,Oginsky MF,Nieto AM,Alonso-Caraballo Y,Santana-Rodriguez Z,Ferrario CR

Year
2021

Species
Rat

Dilution
1:30000

Experimental neurobiology

Absence of Glia Maturation Factor Protects from Axonal Injury and Motor Behavioral Impairments after Traumatic Brain Injury.

"P21962 was used in Western Blotting to provide evidence that PD-associated pathology progression can be initiated upon induction of TBI."

Authors: Selvakumar GP,Ahmed ME,Iyer SS,Thangavel R,Kempuraj D,Raikwar SP,Bazley K,Wu K,Khan A,Kukulka K,Bussinger B,Zaheer S,Burton C,James D,Zaheer A

Year
2020

Species
Mouse

Dilution
1:800

[View more WB references on thermofisher.com](#)

Immunohistochemistry (7)

The Journal of comparative neurology

Integrated age-related immunohistological changes occur in human olfactory epithelium and olfactory bulb.

"P21962 was used in Immunohistochemistry-immunofluorescence to characterize changes associated with age in the peripheral olfactory system, by in-depth analysis of the OE and its neuronal projections onto the olfactory bulb (OB) as a function of age."

Authors: Fitzek M,Patel PK,Solomon PD,Lin B,Hummel T,Schwob JE,Holbrook EH

Year
2022

Species
Human

Dilution
1:1000

Journal of Parkinson's disease

Intraperitoneal Administration of Forskolin Reverses Motor Symptoms and Loss of Midbrain Dopamine Neurons in PINK1 Knockout Rats.

"P21962 was used in Immunohistochemistry-immunofluorescence to suggest that Forskolin is a promising disease-modifying therapeutic alternative for PD and is superior to Levodopa because it confers long-lasting therapeutic effects."

Authors: Vazquez-Mayorga E,Grigoruta M,Dagda R,Martinez B,Dagda RK

Year
2022

Species
Rat

Dilution
1:400

[View more IHC references on thermofisher.com](#)

More applications with references on thermofisher.com

IHC (PFA) (2)

ICC/IF (1)

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