

Phospho-Tyrosine Hydroxylase (Ser40) Polyclonal Antibody

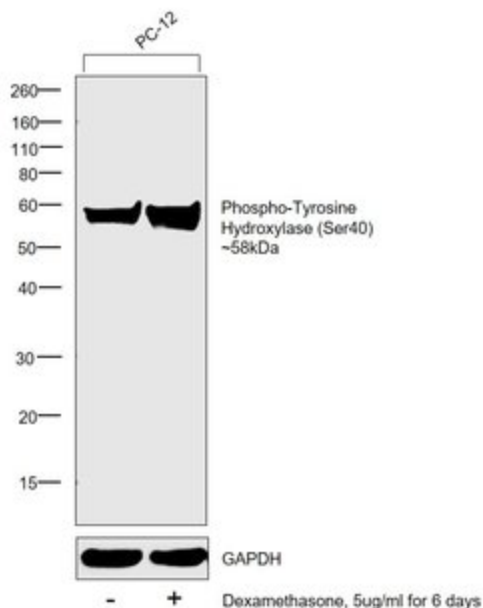
Product Details

Size	100 µL
Species Reactivity	Rat
Published Species	Rat
Host/Isotope	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic phospho-peptide derived from the rat tyrosine hydroxylase (TH) protein
Form	Liquid
Purification	Antigen affinity chromatography
Storage buffer	0.01M HEPES, pH 7.5, with 50% glycerol, 100µg/mL BSA, 0.15M NaCl
Contains	no preservative
Storage Conditions	-20°C
RRID	AB_138590

Applications	Tested Dilution	Publications
ELISA (ELISA)	Assay Dependent	-
Immunocytochemistry (ICC)	1:1000	-
Immunofluorescence (IF)	1:1000	-
Immunohistochemistry (IHC)	1:1000	-
Western Blot (WB)	1:1000	3 Publications
Immunohistochemistry - Free Floating (IHC (Free))	-	1 Publication

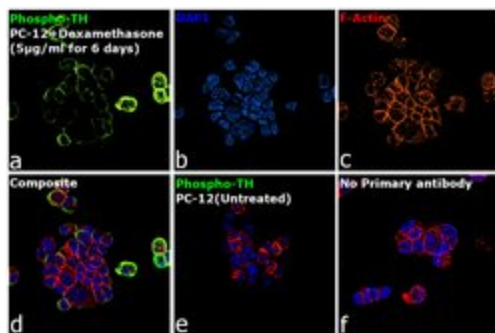
Phospho-Tyrosine Hydroxylase (Ser40) Antibody (36-8600)

Altered expression of target protein upon cell treatment demonstrates antibody specificity. Immunofluorescence analysis using Anti-Phospho-Tyrosine Hydroxylase (Ser40) Polyclonal Antibody (Product # 36-8600) shows increased expression upon treatment with Dexamethasone in PC-12. Cell treatment validation info.



Phospho-Tyrosine Hydroxylase (Ser40) Antibody (36-8600)

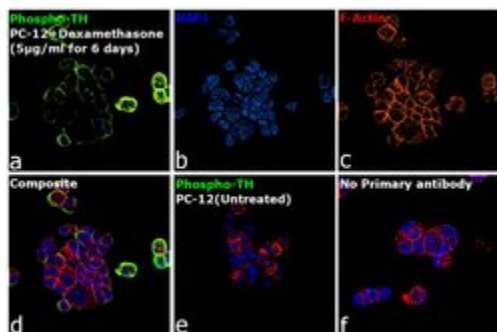
Detection of altered expression of the target protein by cell treatment demonstrates antibody specificity. Immunofluorescence analysis of Phospho-Tyrosine Hydroxylase (Ser40) Polyclonal Antibody (Product # 36-8600), shows increased expression of Phospho-Tyrosine Hydroxylase (Ser40) in PC-12 cell line upon dexamethasone treatment.. Cell treatment validation info.



Product Images For Phospho-Tyrosine Hydroxylase (Ser40) Polyclonal Antibody

Phospho-Tyrosine Hydroxylase (Ser40) Antibody (36-8600) in IF

Immunofluorescence analysis of Phospho-Tyrosine Hydroxylase (Ser40) Polyclonal Antibody was performed using 70% confluent log phase PC-12 cells. The cells were fixed with 4% Paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 2% BSA for 10 minutes at room temperature. The cells were labeled with Phospho-Tyrosine Hydroxylase (Ser40) Polyclonal Antibody (Product # 36-8600) at 1:100 dilution in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Goat anti-Rabbit IgG (H+L) Superclonal™ Recombinant Secondary Antibody, Alexa Fluor® 488 (Product # A27034, 1:2000 dilution) for 45 minutes at room temperature (Panel a: Green) Nuclei (Panel b: Blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: Red) was stained with Rhodamine Phalloidin (Product # R415 , 1:300). Panel d represents the merged image showing plasma membrane localization. Panel e represents untreated cells with reduced signal. Panel f represents control cells with no primary antibody to assess background. The images were captured at 60X magnification..



View more figures on thermofisher.com

4 References

Immunohistochemistry - Free Floating (1)

Journal of neuroendocrinology

Hypothalamic Effects of Tamoxifen on Oestrogen Regulation of Luteinising Hormone and Prolactin Secretion in Female Rats.

"36-8600 was used in immunohistochemistry - free floating to study prolactin secretion in female rats and oestrogen regulation of luteinising hormone by the hypothalamic effects of tamoxifen"

Authors: Aquino NS, Araujo-Lopes R, Batista IA, Henriques PC, Poletini MO, Franci CR, Reis AM, Szawka RE

Species
Not Applicable

Dilution
1:25,000

Year
2016

Western Blot (3)

Behavioural brain research

Litter size reduction alters insulin signaling in the ventral tegmental area and influences dopamine-related behaviors in adult rats.

"36-8600 was used in western blot to investigate the effect of early postnatal overfeeding on insulin signaling in the ventral tegmental area."

Authors: Portella AK, Silveira PP, Laureano DP, Cardoso S, Bittencourt V, Noschang C, Werlang I, Fontella FU, Dalmaz C, Goldani MZ

Species
Rat

Dilution
1:2000

Year
2015

The Journal of endocrinology

Progesterone decreases tyrosine hydroxylase phosphorylation state and increases protein phosphatase 2A activity in the stalk-median eminence on proestrous afternoon.

Authors: Liu B, Arbogast LA

Species
Rat

Dilution
Not Cited

Year
2010

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

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.