

Tyrosine Hydroxylase Polyclonal Antibody

Product Details

Size	100 µg
Species	Human
Expression System	Goat / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide sequence (VQDELDTLAHAL) corresponding to the C-terminus amino acids of TH
Form	Liquid
Concentration	0.5 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	TBS, pH 7.3, with 0.5% BSA
Contains	0.02% sodium azide
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_10979872

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	1:1000-1:10000	-

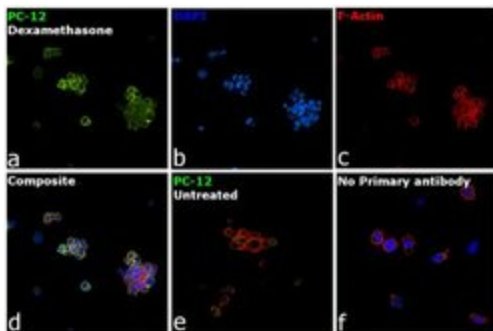
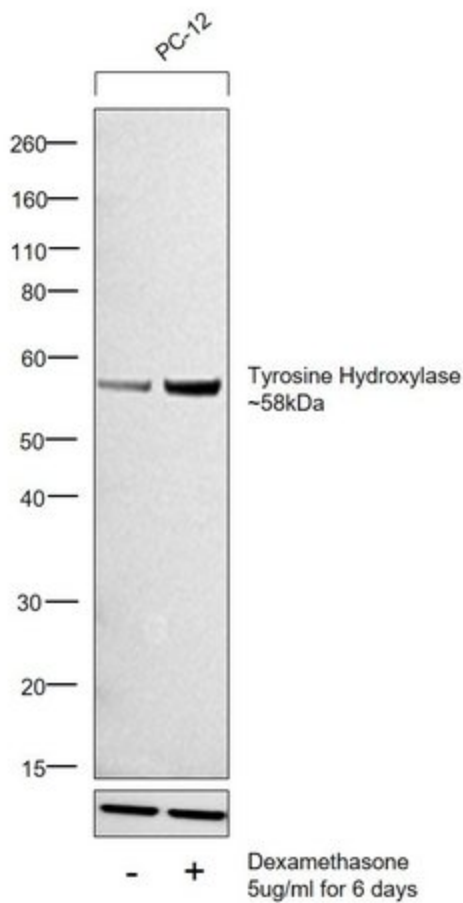
Product Specific Information

This antibody is predicted to react with canine and rat based on sequence homology.

Advanced Verification Data

Tyrosine Hydroxylase Antibody (PA5-18372)

Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot using Tyrosine Hydroxylase Polyclonal Antibody (Product # PA5-18372) shows increased expression upon treatment of PC-12 with Dexamethasone. Cell treatment validation info.



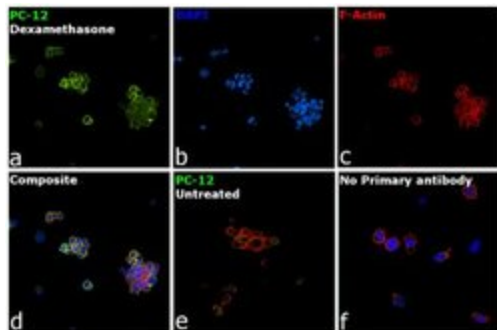
Tyrosine Hydroxylase Antibody (PA5-18372)

Detection of altered expression of the target protein by cell treatment demonstrates antibody specificity. Immunofluorescence analysis using Tyrosine Hydroxylase Polyclonal Antibody (Product # PA5-18372), shows increased expression upon treatment of PC-12 with Dexamethasone. Cell treatment validation info.

Product Images For Tyrosine Hydroxylase Polyclonal Antibody

Tyrosine Hydroxylase Antibody (PA5-18372) in ICC

Immunofluorescence analysis of Tyrosine Hydroxylase was performed using 70% confluent log phase PC-12 cells treated with Dexamethasone (5ug/ml, 6 days). The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 45 minutes at room temperature. The cells were labeled with Tyrosine Hydroxylase Polyclonal Antibody (Product # PA5-18372) at 1:100 dilution in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Donkey anti-Goat IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32814), (1:2000 dilution), for 45 minutes at room temperature (Panel a: Green). Nuclei (Panel b:Blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: Red) was stained with Rhodamine Phalloidin (Product # R415, 1:300 dilution). Panel d represents the merged image showing increased expression of Tyrosine Hydroxylase upon treatment with Dexamethasone. Panel e represents untreated PC-12 cells with low expression of Tyrosine Hydroxylase. Panel f represents control cells with no primary antibody to assess background. The images were captured at 60x magnification.



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