Leader in Biomolecular Solutions for Life Science

Tyrosine Hydroxylase Rabbit mAb

Catalog No.: A25683

Recombinant | 3 Publications

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Basic Information

Observed MW
59kDa/55-60 kDa

Calculated MW
59kDa

Category
Monoclonal Antibodies

Applications
WB, IF/ICC, IF-F, IF-P, IHC-P, mIHC, ELISA

Cross Reactivity
Human, Mouse, Rat

Clone No.
ARC67477

Background

The protein encoded by this gene is involved in the conversion of tyrosine to dopamine. It is the rate-limiting enzyme in the synthesis of catecholamines, hence plays a key role in the physiology of adrenergic neurons. Mutations in this gene have been associated with autosomal recessive Segawa syndrome. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene.

Recommended Dilutions

WB	1:1000 - 1:8000
IF/ICC	1:1000 - 1:3000
IF-F	1:200-1:800
IF-P	1:1000 - 1:3000
IHC-P	1:2000-1:8000
mIHC	1:2000-1:8000

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
7054

Swiss-Prot
P07101

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
TYH; DYT14; DYT5b

Contact

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cn.market@abclonal.com.cn
www.abclonal.com.cn

Product Information

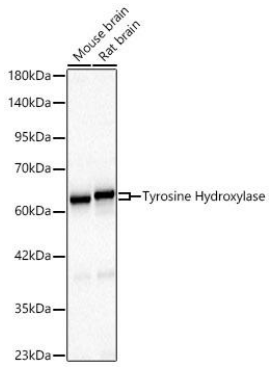
Source
Rabbit

Isotype
IgG

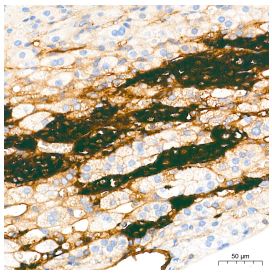
Purity
Affinity purification

Storage
Store at -20℃

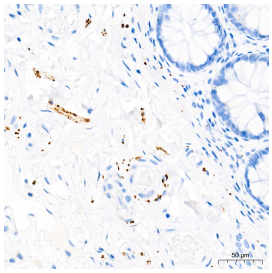
Validation Data



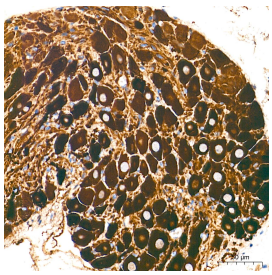
Western blot analysis of various lysates using Tyrosine Hydroxylase Rabbit mAb (A25683) at 1:1000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates / proteins: 25 µg per lane.
Blocking buffer: 3 % nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.



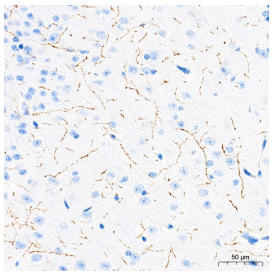
Immunohistochemistry analysis of paraffin-embedded Human adrenal gland tissue using Tyrosine Hydroxylase Rabbit mAb (A25683) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



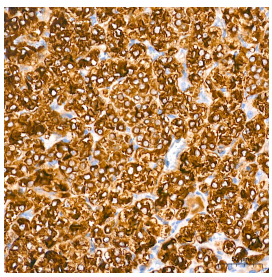
Immunohistochemistry analysis of paraffin-embedded Human colon tissue using Tyrosine Hydroxylase Rabbit mAb (A25683) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse adrenal gland tissue using Tyrosine Hydroxylase Rabbit mAb (A25683) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

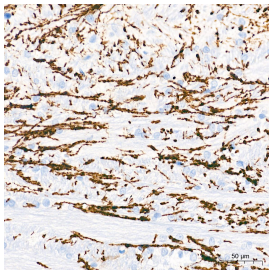


Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using Tyrosine Hydroxylase Rabbit mAb (A25683) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

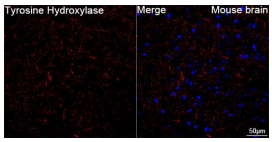


Immunohistochemistry analysis of paraffin-embedded Rat adrenal gland tissue using Tyrosine Hydroxylase Rabbit mAb (A25683) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

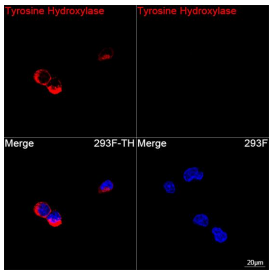
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Please visit http://abclonal.com for a complete listing of recommended products.



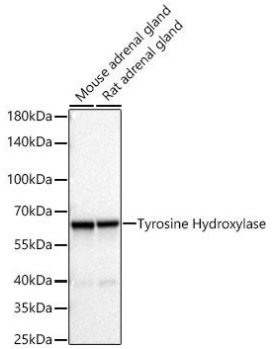
Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using Tyrosine Hydroxylase Rabbit mAb (A25683) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



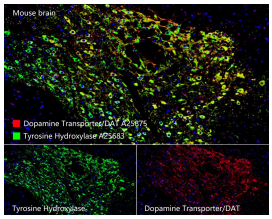
Confocal imaging of paraffin-embedded Mouse brain tissue using Tyrosine Hydroxylase Rabbit mAb (A25683, dilution 1:1600) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



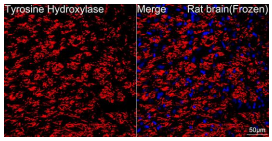
Confocal imaging of 293F cells transfected with TH cells using Tyrosine Hydroxylase Rabbit mAb (A25683, dilution 1:1600) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



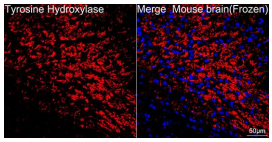
Western blot analysis of various lysates using Tyrosine Hydroxylase Rabbit mAb (A25683) at 1:8000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10 s.



The multiplex IHC analysis on paraffin-embedded Mouse brain tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : Tyrosine Hydroxylase Rabbit mAb (A25683, 1:5000) with TSA-TYR-520 (Green), and Dopamine Transporter/DAT Rabbit mAb (A25875, 1:10000) with TSA-TYR-570 (Red). DAPI (Blue) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 40x objective lens.



Confocal imaging of frozen sections of Rat brain tissue using Tyrosine Hydroxylase Rabbit mAb (A25683, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



Confocal imaging of frozen sections of Mouse brain tissue using Tyrosine Hydroxylase Rabbit mAb (A25683, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.