

Tyrosine Hydroxylase Rabbit mAb

Catalog No.: A25683 **Recombinant**

Basic Information

Observed MW

62-64kDa

Calculated MW

59kDa

Category

Primary antibody

Applications

ELISA, WB, IF/ICC

Cross-Reactivity

Mouse

CloneNo number

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 1:500 - 1:1000

IF/ICC 1:50 - 1:200

Immunogen Information

Gene ID

7054

Swiss Prot

P07101

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 411-528 of human Tyrosine Hydroxylase (NP_954986.2).

Synonyms

TYH; DYT14; DYT5b

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

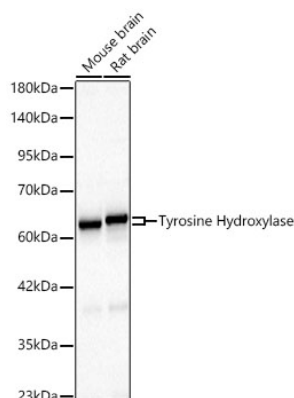
Affinity purification

Storage

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

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of various lysates using Tyrosine Hydroxylase Rabbit mAb (A25683) at 1:1000 dilution.

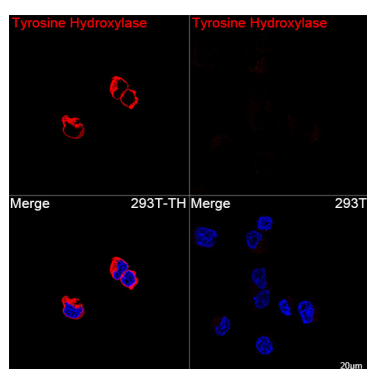
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates / proteins: 25 µg per lane.

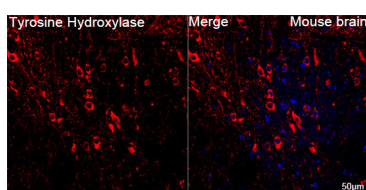
Blocking buffer: 3 % nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

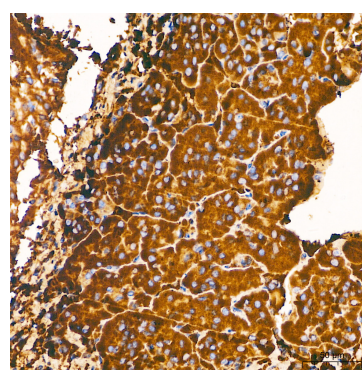
Exposure time: 10s.



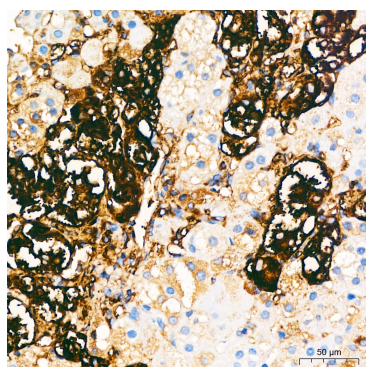
Confocal imaging of 293T cells transfected with TH using Tyrosine Hydroxylase Rabbit mAb (A25683, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



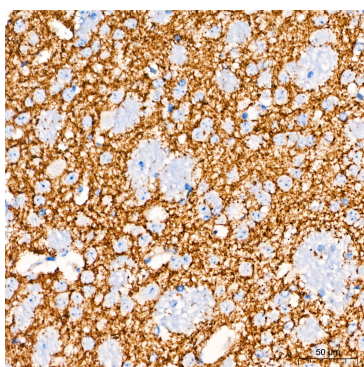
Confocal imaging of paraffin-embedded Mouse brain tissue using Tyrosine Hydroxylase Rabbit mAb (A25683, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform microwave antigen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



Immunohistochemistry analysis of paraffin-embedded Mouse adrenal gland tissue using Tyrosine Hydroxylase Rabbit mAb (A25683) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human adrenal gland tissue using Tyrosine Hydroxylase Rabbit mAb (A25683) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using Tyrosine Hydroxylase Rabbit mAb (A25683) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.