

A28028

Leader in Biomolecular Solutions for Life Science



Tyrosine Hydroxylase Mouse mAb

Catalog No.: A28028

Basic Information

Observed MW

55-60 kDa

Calculated MW

45-59 kDa

Category

Monoclonal Antibody

Applications

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

Cross-Reactivity

Human,Mouse,Rat

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 1:2500 - 1:5000

IF/ICC 1:200 - 1:800

IF-F 1:200 - 1:800

IF-P 1:200 - 1:800

IHC-P 1:1000 - 1:4000

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

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

TYH; DYT14; DYT5b

Product Information

Source

Mouse

Isotype

Mouse IgG1

Purification

Affinity purification

Storage

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

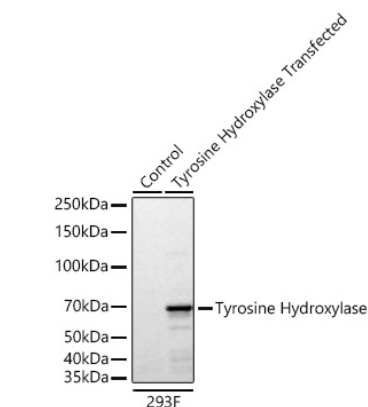
Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.

Contact

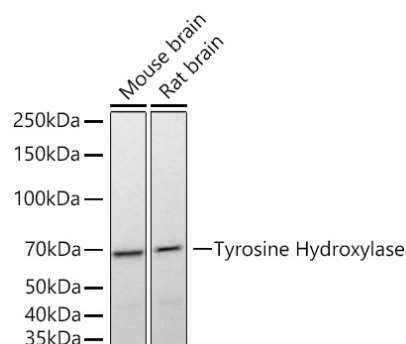


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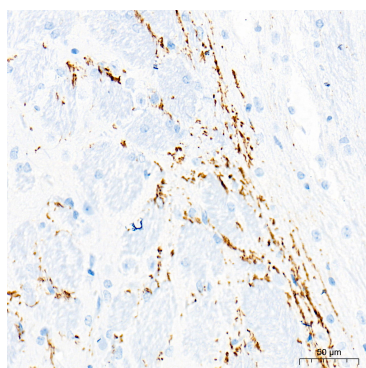
Validation Data



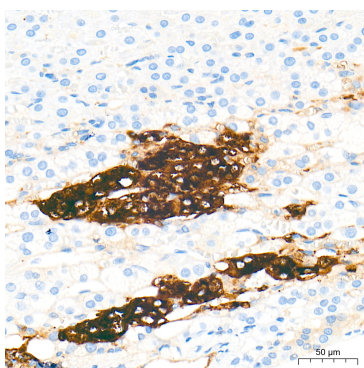
Western blot analysis of lysates from wild type (WT) and 293F cells transfected with Tyrosine Hydroxylase (Human) using Tyrosine Hydroxylase Mouse mAb (A28028) at 1:5000 dilution incubated overnight at 4°C.
 Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.
 Lysates/proteins: 20 µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 60 s.



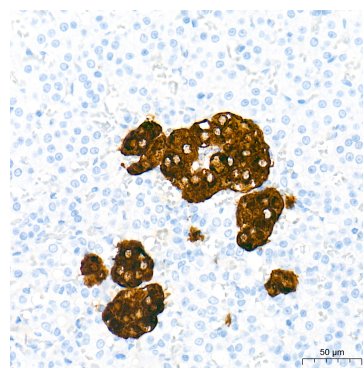
Western blot analysis of various lysates using Tyrosine Hydroxylase Mouse mAb (A28028) at 1:5000 dilution incubated overnight at 4°C.
 Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.
 Lysates/proteins: 25 µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 90 s.



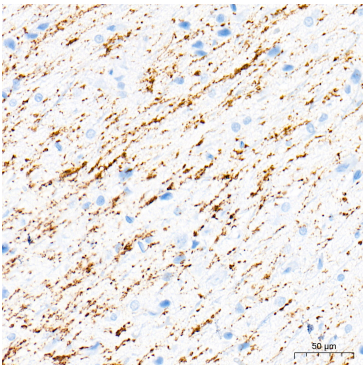
Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using Tyrosine Hydroxylase Mouse mAb (A28028) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



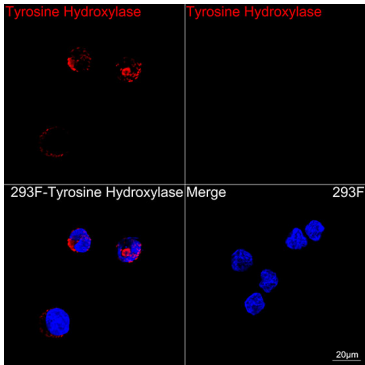
Immunohistochemistry analysis of paraffin-embedded Human adrenal gland tissue using Tyrosine Hydroxylase Mouse mAb (A28028) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



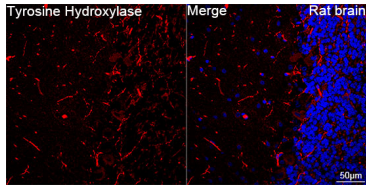
Immunohistochemistry analysis of paraffin-embedded Rat adrenal gland tissue using Tyrosine Hydroxylase Mouse mAb (A28028) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



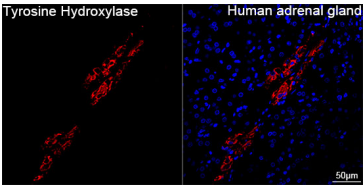
Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using Tyrosine Hydroxylase Mouse mAb (A28028) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



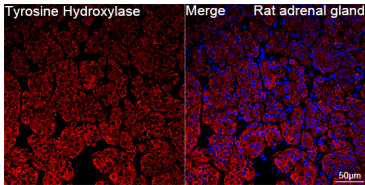
Confocal imaging of 293F cells transfected with Tyrosine Hydroxylase using Tyrosine Hydroxylase Mouse mAb (A28028, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Mouse IgG (H+L) (AS008, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



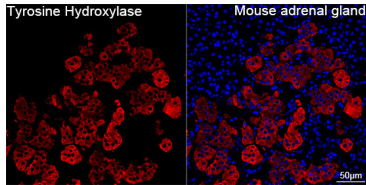
Confocal imaging of paraffin-embedded Rat brain tissue using Tyrosine Hydroxylase Mouse mAb (A28028, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Mouse IgG (H+L) (AS008, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



Confocal imaging of paraffin-embedded Human adrenal gland tissue using Tyrosine Hydroxylase Mouse mAb (A28028, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Mouse IgG (H+L) (AS008, 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 paraffin-embedded Rat adrenal gland tissue using Tyrosine Hydroxylase Mouse mAb (A28028, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Mouse IgG (H+L) (AS008, 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 paraffin-embedded Mouse adrenal gland tissue using Tyrosine Hydroxylase Mouse mAb (A28028, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Mouse IgG (H+L) (AS008, 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.