

Anti-Tyrosine Hydroxylase Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

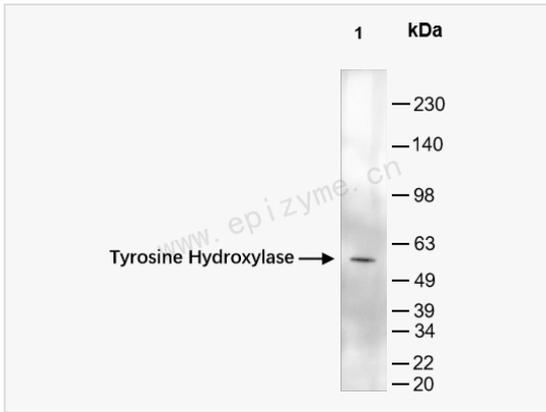
Catalog # R015511

Product Information

Application	WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	66P93D10
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Tyrosine Hydroxylase
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Tyrosine Hydroxylase Rabbit mAb [66P93D10] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	Dystonia 14; DYT14; DYT5b; EC 1.14.16.2; OTTHUMP00000011225; OTTHUMP00000011226; ple; Protein Pale; TH; The; TY3H_HUMAN; TYH; Tyrosine 3 hydroxylase; Tyrosine 3 monooxygenase; Tyrosine 3-hydroxylase; Tyrosine 3-monooxygenase; Tyrosine hydroxylase.
Calculated MW	Calculated MW: 58 kDa; Observed MW: 58 kDa
Uniprot ID	P07101
Gene ID	7054
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. [provided by RefSeq, Jul 2008]
Tissue Location	Mainly expressed in the brain and adrenal glands.



Western Blot - Anti-Tyrosine Hydroxylase Rabbit mAb [66P93D10]

All lanes: R015511 at 1:1,000 dilution

Lane 1: Mouse brain whole tissue lysates

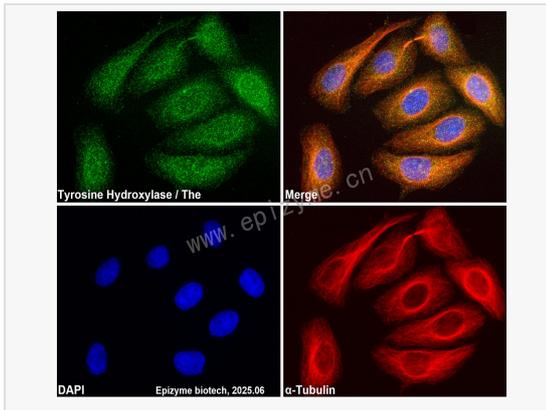
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 58 kDa

Observed band size: 58 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-Tyrosine Hydroxylase Rabbit mAb [66P93D10]

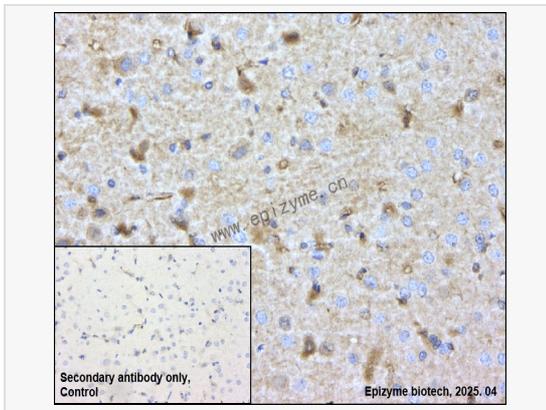
Sample: HeLa cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R015511 at 1:100 dilution and α -tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).



Immunohistochemistry - Anti-Tyrosine Hydroxylase Rabbit mAb [66P93D10]

Sample: Paraformaldehyde-fixed, paraffin embedded mouse brain tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

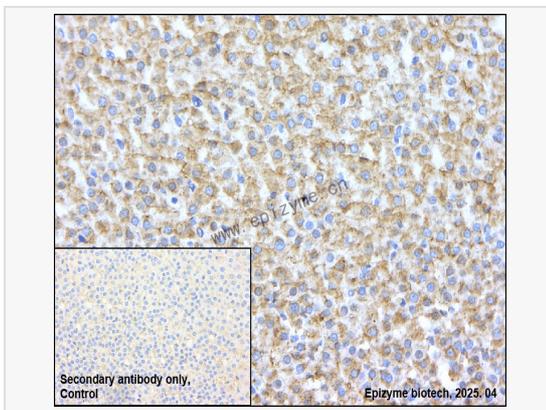
Primary antibody: R015511 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-Tyrosine Hydroxylase Rabbit mAb [66P93D10]

Sample: Paraformaldehyde-fixed, paraffin embedded rat adrenal gland tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R015511 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.