

Mouse anti-Human TH / Tyrosine Hydroxylase Monoclonal Antibody | anti-TH antibody

Anti-TH / Tyrosine Hydroxylase Antibody (clone 1D8) IHC-plus

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA52589	Mouse	Human	Western Blot, Immunofluorescence, Immunohistochemistry

PRODUCT SYNONYMS

TH / Tyrosine Hydroxylase; Monoclonal Antibody; Anti-TH / Tyrosine Hydroxylase Antibody (clone 1D8) IHC-plus; Mouse Monoclonal [clone 1D8] (IgG1) to Human TH / Tyrosine Hydroxylase; Human TH / Tyrosine Hydroxylase; DYT14; Dystonia 14; TYH; Tyrosine 3-hydroxylase; Tyrosine hydroxylase; DYT5b; Tyrosine 3-monooxygenase; anti-TH antibody

PRODUCT SPECIFICATIONS

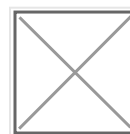
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	1D8
Specificity	Human TH / Tyrosine Hydroxylase
Purity/Purification	Protein A/G purified
Form/Format	PBS, pH 7.3, 1% BSA, 50% glycerol, 0.02% sodium azide
Concentration	1 mg/ml (varies by lot)
Sequence Length	497
Applicable Applications for anti-TH antibody	WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry)
Immunogen	TH / Tyrosine Hydroxylase antibody was raised against full length human recombinant protein of human TH(NP_000351) produced in HEK293T cell.
Immunogen Description	Full length human recombinant protein of human TH(NP_000351) produced in HEK293T cell.
Immunogen Type	Recombinant protein
Target Species	Human
Preparation and Storage	Store at -20 degree C. Minimize freezing and thawing.

IMAGES



WB (Western Blot)

HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY TH (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TH.



IF (Immunofluorescence)

Anti-TH mouse monoclonal antibody immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY TH.



IHC (Immunohistochemistry)

Human Prostate, Nerve: Formalin-Fixed, Paraffin-Embedded (FFPE)

ADDITIONAL INFORMATION

Related Product Information for anti-TH antibody

TH Antibody, DYT14 Antibody, Dystonia 14 Antibody, TYH Antibody, Tyrosine 3-hydroxylase Antibody, Tyrosine hydroxylase Antibody, DYT5b Antibody, Tyrosine 3-monooxygenase Antibody Description: Tyrosine hydroxylase is involved in the conversion of phenylalanine to dopamine. It is the rate-limiting enzyme in the synthesis of catecholamines and as such has a key role in the physiology of adrenergic neurons. TH is encoded by four distinct mRNAs produced by alternative splicing of a single primary transcript. Expression of the mRNAs varies in different parts of the nervous system. Defects in TH are the cause of autosomal recessive Segawa syndrome.

NCBI AND UNIPROT INFORMATION

NCBI GI #	88900503
NCBI GeneID	7054
NCBI Accession #	NP_000351.2
NCBI GenBank Nucleotide #	NM_000360.3
UniProt Accession #	P07101 ; Q0PWM2 ; Q0PWM3 ; Q15585 ; Q15588 ; Q15589 ; Q2M3B4 ; B7ZL70 ; B7ZL73
Molecular Weight	44,898 Da
NCBI Official Full Name	tyrosine 3-monooxygenase isoform b
NCBI Official Synonym Full Names	tyrosine hydroxylase
NCBI Official Symbol	TH
NCBI Official Synonym Symbols	TYH; DYT14; DYT5b
NCBI Protein Information	tyrosine 3-monooxygenase
UniProt Protein Name	Tyrosine 3-monooxygenase
UniProt Gene Name	TH
UniProt Synonym Gene Names	TYH; TH
UniProt Entry Name	TY3H_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/th-tyrosine-hydroxylase-antibody-clone-1d8-western-blot-immunofluorescence-immunohistochemistry-elisa/52589>