

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

Tyrosine Hydroxylase, Monoclonal Antibody, Mouse

CATALOG # AAA76412	HOST Mouse	REACTIVITY Human	APPLICATIONS Western Blot, Immunohistochemistry
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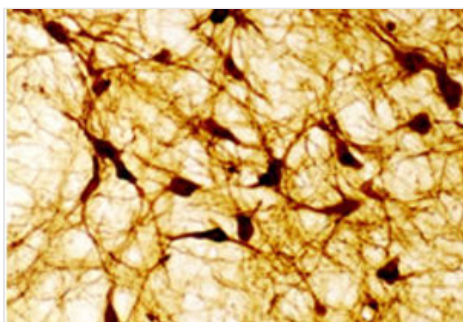
PRODUCT SYNONYMS

Tyrosine Hydroxylase; Monoclonal Antibody; Mouse; anti-TH antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Form/Format	Lyophilized;
Sequence Length	106
Applicable Applications for anti-TH antibody	WB (Western Blot), IHC (Immunohistochemistry)
Species	Mouse, Primate, Rat
Immunogen Sequence	Full-length TH purified to homogeneity from PC12 cells, which are of rat origin.
Immunogen	The TH moAb recognizes an epitope within the catalytically-active C-terminal end-product. This C-term product is ~34kDa. (This end product is the result of a partial digestion of the rat TH with chymotrypsin.)
Preparation and Storage	Reconstitute vial with 100 uL of distilled or deionized water. Storage after reconstitution: Dilute with phosphate buffer or Tris buffer at dilutions no higher than 1/10, aliquot and freeze at -15 degree C or lower. Stability after reconstitution: Antibody can be stored for up to six months if handled as described above.

IMAGES



Application Data

Image: TH Staining in the Substantia Nigra.

ADDITIONAL INFORMATION

Related Product Information for anti-TH antibody	The histochemical antibody for tyrosine hydroxylase (TH) is a mouse monoclonal antibody generated against TH that has been isolated and purified from rat PC12 cells. The antibody is believed to have wide species cross-reactivity because it recognizes an epitope in the mid-portion of the TH molecule where extensive species homology exists. This Tyrosine Hydroxylase antiserum was quality control tested using standard immunohistochemical methods. The antiserum demonstrates strongly positive labeling of rat catecholamine neuron systems using indirect immunofluorescent and biotin/avidin-HRP techniques. Recommended primary dilutions for these methods are provided on the data-sheet. This antibody does not cross react with dihydropteridine reductase, dopamine-B-hydroxylase, phenylethanolamine-N-methyltransferase, phenylalanine hydroxylase or tryptophan hydroxylase using Western blot methods.
Product Categories/Family for anti-TH antibody	Antibodies; Stem Cell Research Antibodies; Tyrosine Hydroxylase

NCBI AND UNIPROT INFORMATION

NCBI GI #	986909
NCBI GeneID	7054
Molecular Weight	44,898 Da
NCBI Official Full Name	tyrosine hydroxylase, partial
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/tyrosine-hydroxylase-antibody-western-blot-immunohistochemistry-elisa/76412>