

Rabbit anti-Human, Rat TH / Tyrosine Hydroxylase Polyclonal Antibody | anti-TH antibody

Rabbit Polyclonal to Rat TH / Tyrosine Hydroxylase

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50884	Rabbit	Human, Rat	Western Blot, Immunofluorescence, Immunohistochemistry

PRODUCT SYNONYMS

TH / Tyrosine Hydroxylase; Polyclonal Antibody; Rabbit Polyclonal to Rat TH / Tyrosine Hydroxylase; TH; DYT14; Dystonia 14; TYH; Tyrosine 3-hydroxylase; Tyrosine hydroxylase; DYT5b; Tyrosine 3-monoxygenase; anti-TH antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Specificity	Specific for the ~60k tyrosine hydroxylase protein phosphorylated at Ser40. Some higher molecular weight bands may be detected by the antibody depending upon the brain region being studied, protein loads and the detection methods used. The antibody has three orders of magnitude selectivity over dephospho TH.
Purity/Purification	Immunoaffinity purified
Form/Format	10mM HEPES, pH 7.5, 150 mM NaCl, 0.1 mg/mL BSA, 50% Glycerol
Applicable Applications for anti-TH antibody	WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry)
Target	TH / Tyrosine Hydroxylase
Family / Subfamily	Monooxygenase
Host Note	TH / Tyrosine Hydroxylase antibody was produced in Rabbit
Immunogen Species	TH / Tyrosine Hydroxylase antibody was raised against Rat
Immunogen	TH / Tyrosine Hydroxylase antibody was raised against phosphopeptide corresponding to amino acid residues surrounding the phosphoSer40 of rat tyrosine hydroxylase
Epitope	pSer40
Preparation and Storage	Short term: -20°C; Long term: -80°C.

IMAGES



WB (Western Blot)

Western blot of recombinant phospho- and dephospho-TH showing selective immunolabeling by the phospho-specific antibody of the ~60k TH phosphorylated at Ser40.



IHC (Immunohistochemistry)

Anti-TH / Tyrosine Hydroxylase antibody IHC of human adrenal. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

ADDITIONAL INFORMATION

Product Categories/Family for anti-TH antibody	Family: Monooxygenase
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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
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; dystonia 14; tyrosine 3-hydroxylase
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.