

Tyrosine Hydroxylase Antibody | anti-TYH antibody

Tyrosine Hydroxylase (Phospho-Ser40) Antibody

CATALOG # AAA267334	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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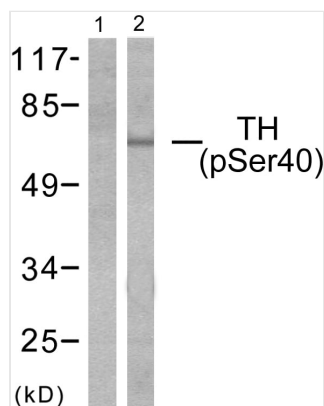
PRODUCT SYNONYMS

Tyrosine Hydroxylase; Tyrosine Hydroxylase (Phospho-Ser40) Antibody; EC 1.14.16.2; TH isoform 3; TH isoform a; TH-4; TY3H; Tyrosine 3-hydroxylase; Tyrosine 5-monoxygenase; tyrosine hydroxylase; anti-TYH antibody

PRODUCT SPECIFICATIONS

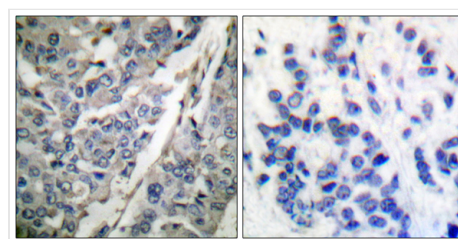
Reactivity	Human, Mouse, Rat
Specificity	Tyrosine Hydroxylase (phospho-Ser40) antibody detects endogenous levels of Tyrosine Hydroxylase only when phosphorylated at serine 40.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	497
Applicable Applications for anti-TYH antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human Tyrosine Hydroxylase around the phosphorylation site of serine 40 (R-Q-SP-L-I).
All Sites	Human: Ser71 Mouse: Ser40 Rat: Ser40
Preparation and Storage	Store at -20 degree C for 1 year

IMAGES



WB (Western Blot)

Western blot analysis of extracts from RAW264.7 cells treated with UV (30mins), using Tyrosine Hydroxylase (phospho-Ser40) antibody.



IHC (Immunohistochemistry)

P-peptide-+ Immunohistochemical analysis of paraffin-embedded human brain tissue using Tyrosine Hydroxylase (phospho-Ser40) antibody.

ADDITIONAL INFORMATION

References	Jahan Ara, PNAS, Jun 1998; 95: 7659. E Carafoli, Crit. Rev. Biochem. Mol. Biol., Apr 2001; 36: 107. P. William Conrad, J. Biol. Chem., Nov 1999; 274: 33709. Y. Katayama, J Appl Physiol, Nov 1994; 77: 2086.
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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 #	Q2M3B4; Q0PWM2; Q0PWM3; Q15585; Q15588; Q15589; B7ZL70; B7ZL73; P07101
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

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/tyh-human-mouse-rat-antibody/tyrosine-hydroxylase/267334>