

Tyrosine Hydroxylase Antibody | anti-TYH antibody

Tyrosine Hydroxylase (Phospho-Ser19) Antibody

CATALOG # AAA110084	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunofluorescence, Immunohistochemistry, Western Blot
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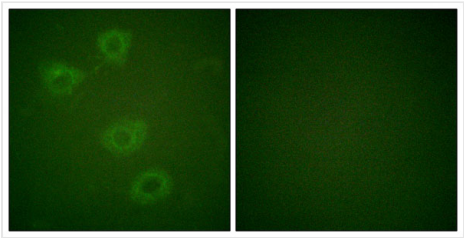
PRODUCT SYNONYMS

Tyrosine Hydroxylase; Tyrosine Hydroxylase (Phospho-Ser19) Antibody; EC 1.14.16.2; TH isoform 3; TH isoform a; TH-4; TY3H; Tyrosine 3-hydroxylase; Tyrosine 3-monooxygenase; tyrosine hydroxylase; anti-TYH antibody

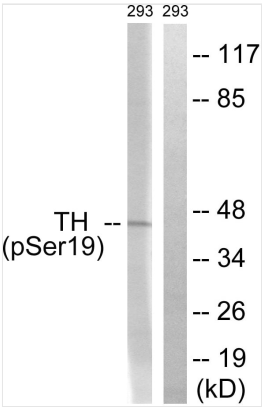
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Specificity	Tyrosine Hydroxylase (Phospho-Ser19) antibody detects endogenous levels of Tyrosine Hydroxylase only when phosphorylated at serine 19.
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, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human Tyrosine Hydroxylase around the phosphorylation site of serine 19 (A-V-SP-E-Q).
All Sites	Human: Ser18 Mouse: Ser19 Rat: Ser19
Preparation and Storage	Store at -20 degree C for 1 year.

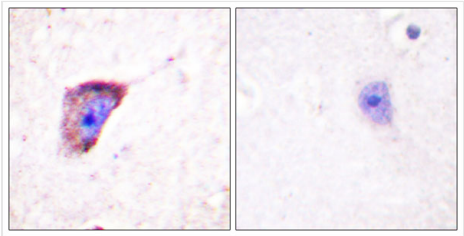
IMAGES



IF (Immunofluorescence)
P-peptide-+ Immunofluorescence analysis of HuvEc cells, using Tyrosine Hydroxylase (Phospho-Ser19) antibody.



IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded human brain tissue using Tyrosine Hydroxylase (Phospho-Ser19) antibody. Western blot analysis of extracts from 293 cells, treated with Insulin (0.01U/ml, 30mins), using Tyrosine Hydroxylase (Phospho-Ser19) antibody.



Application Data
P-peptide-+

ADDITIONAL INFORMATION

Product Categories/Family for anti-TYH antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
References	Kaneda N., Biochem. Biophys. Res. Commun. 146:971-975(1987). Grima B., Nature 326-707-711(1987). Kobayashi K., Nucleic Acids Res. 15:6733-6733(1987).

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

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/110084>