

## Tyrosine Hydroxylase rabbit pAb

Cat No.: ES8886

For research use only

## Overview

Product Name Tyrosine Hydroxylase rabbit pAb

Host species Rabbit
Applications WB;ELISA

Species Cross-Reactivity Human; Mouse; Rat

Recommended dilutions WB 1:500-2000, ELISA 1:10000-20000

**Immunogen** Synthesized peptide derived from human Tyrosine

Hydroxylase Polyclonal

**Specificity** This antibody detects endogenous levels of Tyrosine

Hydroxylase.

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and

0.02% sodium azide.

Storage Store at -20°C. Avoid repeated freeze-thaw cycles.

Protein Name Tyrosine 3-monooxygenase (EC 1.14.16.2) (Tyrosine

3-hydroxylase) (TH), Tyrosine Hydrolase

Gene Name TH TYH

**Cellular localization** Cytoplasm, perinuclear region . Nucleus . Cell

projection, axon. Cytoplasm. Cytoplasmic vesicle,

secretory vesicle, synaptic vesicle. When phosphorylated at Ser-19 shows a nuclear

distribution and when phosphorylated at Ser-31 as

well at Ser-40 shows a

**Purification** The antibody was affinity-purified from rabbit

antiserum by affinity-chromatography using

epitope-specific immunogen.

Clonality Polyclonal
Concentration 1 mg/ml
Observed band 60kD
Human Gene ID 7054
Human Swiss-Prot Number P07101

Alternative Names Tyrosine 3-monooxygenase (EC 1.14.16.2) (Tyrosine

3-hydroxylase) (TH)

**Background** The protein encoded by this gene is involved in the

conversion of tyrosine to dopamine. It is the



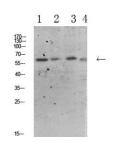
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rate-limiting enzyme in the synthesis of catecholamines, hence plays a key role in the physiology of adrenergic neurons. Mutations in this gene have been associated with autosomal recessive Segawa syndrome. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Jul 2008],

Western blot analysis of various lysate, antibody was diluted at 1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



- 1 mouse-brain
- 2 CACO2
- 3 3T3
- 4 customer's



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