



Product Information Sheet

Monoclonal Anti-Tyrosine Hydroxylase (Sepharose Bead Conjugate)

Catalogue No. MA1100-S

Immunogen

Rat tyrosine hydroxylase (TH)

Lot No. 08A12

Purification

Clone: TH-100

Purified by the goat anti-mouse IgG affinity chromatography.

Ig type: mouse IgG1

Formulation

50% slurry in PBS pH 7.2 with 0.01mg NaN₃ preservative.

Size: 200µl

Storage

Store at 4°C for frequent use.

Specificity

Human, rat, rabbit.

No cross reactivity with other proteins.

Description:

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays

Recommended application

Immunoprecipitation (IP)

BACKGROUND

Tyrosine hydroxylase is involved in the conversion of phenylalanine to dopamine. As the rate-limiting enzyme in the synthesis of catecholamines, tyrosine hydroxylase has a key role in the physiology of adrenergic neurons. Human TH gene contains 13 primary exons and spans approximately 8 kb. TH is in the 11p15.5 region

REFERENCE

1. Brilliant, M. H.; Niemann, M. M.; Eicher, E. M. : urine tyrosine hydroxylase maps to the distal end of chromosome 7 within a region conserved in mouse and man. *J. Neurogenet.* 4: 259-266, 1987.
2. Craig, S. P.; Buckle, V. J.; Craig, I. W.; Lamouroux, A.; Mallet, J. : Localization of the human tyrosine hydroxylase gene to chromosome 11p15. (Abstract) *Cytogenet. Cell Genet.* 40: 610 only, 1985.
3. Craig, S. P.; Buckle, V. J.; Lamouroux, A.; Mallet, J.; Craig, I. : Localization of the human tyrosine hydroxylase gene to 11p15: gene duplication and evolution of metabolic pathways. *Cytogenet. Cell Genet.* 42: 29-32, 1986.

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