



Monoclonal Anti-Tryptophan Hydroxylase

Catalogue No. MA1099

Lot No. 08A12

Clone: Try-63

Ig type: mouse IgG3

Size: 100µg/vial

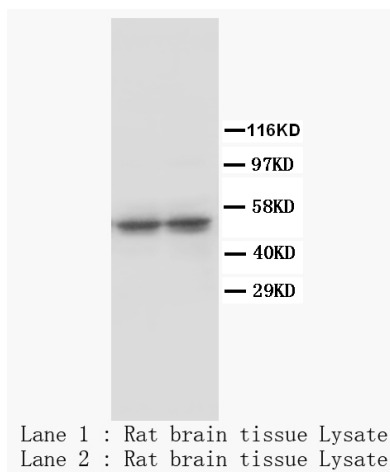
Specificity

Human, rat, rabbit.

No cross reactivity with other proteins.

Recommended application

Western blot



Immunogen

Recombinant rabbit tryptophan hydroxylase.

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Application

Western blot

At 0.5-1µg/ml with the appropriate system to detect tryptophan hydroxylase in cells and tissues.

Other applications have not been tested.

Optimal dilutions should be determined by end user.

Formulation

Lyophilized from 1.2% sodium acetate, with 2mg BSA and 0.01mg NaN₃ as preservative.

Reconstitution

1.2% sodium acetate or neutral PBS. If 1ml of PBS is used, the antibody concentration will be 100µg/ml.

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for longer time.

To reorder contact us at:

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BACKGROUND

Tryptophan hydroxylase is the rate-limiting enzyme in the synthesis of serotonin (5-hydroxytryptamine, or 5HT). Tryptophan hydroxylase catalyzes the bipterin-dependent monooxygenation of tryptophan to 5-hydroxytryptophan (5HT), which is subsequently decarboxylated to form the neurotransmitter serotonin. Human tryptophan hydroxylase (TPH) is mapped to chromosome 11p15.3-p14 by in situ hybridization.

REFERENCE

- 1 Craig, S. P.; Boularand, S.; Darmon, M. C.; Mallet, J.; Craig, I. W. : Localization of human tryptophan hydroxylase (TPH) to chromosome 11p15.3-p14 by in situ hybridization. *Cytogenet. Cell Genet.* 56: 157-159, 1991.
- 2 Nielsen, D. A.; Dean, M.; Goldman, D. : Genetic mapping of the human tryptophan hydroxylase gene on chromosome 11, using an intronic conformational polymorphism. *Am. J. Hum. Genet.* 51: 1366-1371, 1992.