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39-1099: Monoclonal Antibody to Anti-Tryptophan Hydroxylase Antibody(Clone: WH-3)(Discontinued)

Clonality :	Monoclonal
Clone Name :	WH-3
Application :	WB
Reactivity :	Human
Gene :	Tph2
Gene ID :	317675
Uniprot ID :	Q8CGU9
Alternative Name :	Tryptophan 5-hydroxylase 2; 1.14.16.4; Neuronal tryptophan hydroxylase; Tryptophan 5-monooxygenase 2; Tph2; Ntph
Isotype :	Mouse IgG3
Immunogen Information :	Recombinant rabbit tryptophan hydroxylase.

Description

Tryptophan hydroxylase is the rate-limiting enzyme in the synthesis of serotonin(5-hydroxytryptamine, or 5HT). Tryptophan hydroxylaseatalyzes the biopterin-dependent monooxygenation of tryptophan to5-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.

Product Info

Amount :	100 µg/vial
Purification :	Ascites
Content :	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN3 as preservative. Reconstitute : Add 1ml of PBS buffer will yield a concentration of 100ug/ml.
Storage condition :	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 a longer time. Avoid repeated freezing and thawing.

Application Note

Western blot : 0.5-1µg/ml

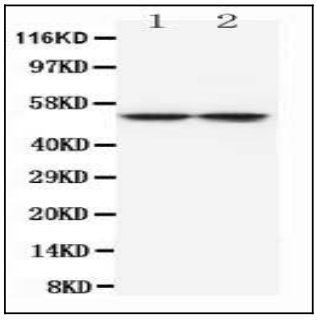


Figure 1: Anti-Tryptophan Hydroxylase antibody(monoclonal) 39-1099. Western blotting: Lane 1: Rat Brain Tissue Lysate, Lane 2: Rat Brain Tissue Lysate.

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