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

Clonality: Monoclonal WH-3 Clone Name: Application: WB Reactivity: Human Gene: Tph2 317675 Gene ID: **Uniprot ID:** Q8CGU9

Tryptophan 5-hydroxylase 2; 1.14.16.4; Neuronal tryptophan hydroxylase; Tryptophan 5-**Alternative Name:** 

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

Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN3 as preservative. Content:

Reconstitute: Add 1ml of PBS buffer will yield a concentration of 100ug/ml.

At -20?C for one year. After reconstitution, at 4?C for one month. It can also be aliquotted and Storage condition:

stored frozen at -20?C for a longer time. Avoid repeated freezing and thawing.

## **Application Note**

Western blot: 0.5-1µg/ml

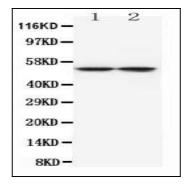


Figure 1: Anti-Tryptophan Hydroxylase antibody(monoclonal) 39-1099. Western blotting: Lane 1: Rat Brain Tissue Lysate, Lane 2: Rat Brain Tissue Lysate.