

Rabbit Anti-Mouse Tryptophan Hydroxylase 2 (TPH2) Polyclonal Antibody

Cat. No.: VD2N812

Product Type: Animal-targeted Antibodies

Size: 100 µL; 200 µL; 1 mL

Product Overview

BioVenic rabbit polyclonal antibody is specific for mouse tryptophan hydroxylase 2. It is purified by Protein A Purified. It can be applied to WB, IHC, ICC and IP assays of mouse tryptophan hydroxylase 2.

Specifications

Application	WB; IHC; ICC; IP
Clonality	Polyclonal
Classification	Primary Antibody
Clone	Y1N311
Host	Rabbit
Target Species	Mouse
Species Reactivity	Mouse
Specificity	Mouse Tryptophan Hydroxylase 2
Isotype	IgG
Immunogen	Recombinant protein of mouse tryptophan hydroxylase 2
Purification	Protein A Purified
Concentration	0.5 mg/mL
Conjugation	Unconjugated
Preservative and Stabilizer	0.05% Proclin 300
Buffer	0.01M Phosphate Buffered Saline, pH 7.4, with 50% glycerol
Physical State	Liquid

Target Information

Mouse Tryptophan Hydroxylase 2 (TPH2) is a key enzyme involved in the synthesis of serotonin (5-HT) in the brain. It catalyzes the rate-limiting step in the conversion of tryptophan to 5-hydroxytryptophan, the precursor of serotonin. TPH2 is predominantly expressed in the brain.

essed in serotonergic neurons of the central nervous system, where it plays a crucial role in regulating mood, appetite, and sleep. Its activity is tightly regulated and is essential for maintaining proper serotonin levels and neurotransmission. TPH2 is an important target for studying serotonin biology and related neurological and psychiatric disorders in mouse models.

Target	Mouse Tryptophan Hydroxylase 2
Target Synonym	NTPH; Neuronal tryptophan hydroxylase; Tryptophan 5-monooxygenase 2
Gene ID	216343
UniProt ID	Q8CGV2

Shipping and Storage

This product is shipped with wet ice packs. Store at -20°C on receipt (up to 12 months). Avoid repeated freezing and thawing as this may denature the antibody.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.