

Tyrosine Hydroxylase Conjugated Antibody

Catalog No: #C49178

Package Size: #C49178-AF350 100ul #C49178-AF405 100ul #C49178-AF488 100ul #C49178-AF555 100ul #C49178-AF594 100ul
 #C49178-AF647 100ul #C49178-AF680 100ul #C49178-AF750 100ul #C49178-Biotin 100ul #C49178-Conjugated 50ul

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Description

Product Name	Tyrosine Hydroxylase Conjugated Antibody
Clone No.	SD080-02
Purification	ProA affinity purified
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	Dystonia 14 antibody DYT14 antibody DYT5b antibody EC 1.14.16.2 antibody OTTHUMP00000011225 antibody OTTHUMP00000011226 antibody ple antibody Protein Pale antibody TH antibody The antibody TY3H_HUMAN antibody TYH antibody Tyrosine 3 hydroxylase antibody Tyrosine 3 monooxygenase antibody Tyrosine 3-hydroxylase antibody Tyrosine 3-monooxygenase antibody Tyrosine hydroxylase antibody
Accession No.	Swiss-Prot#:P07101
Calculated MW	59 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

WB: 1:50,000-1:100,000

IHC: 1:50-1:200

ICC: 1:100-1:500

FC: 1:50-1:100

Background

The enzyme tyrosine hydroxylase (TH), also designated tyrosine 3-monooxygenase (TY3H), catalyzes the conversion of tyrosine to L-dopa, which is the rate limiting step in the biosynthesis of catecholamines such as dopamine, adrenalin and noradrenalin. TH is thought to play a role in the pathogenesis of Parkinsons disease, which is associated with reduced dopamine levels. Two transcription factor binding sites in the proximal region of the TH gene, the TPA-responsive element (TRE) and the c-AMP responsive element (CRE), have been implicated in the complex regulation of the TH gene. TH is also known to be upregulated by the glia maturation factor (GMF), a Cdc 10/SWI6 motif-containing protein called V-1, and a variety of additional compounds.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.