



Rabbit Anti-Tyrosine Hydroxylase monoclonal antibody, clone TO60-14 (DCABH-3356)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	Tyrosine Hydroxylase
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TO60-14
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC, IHC, FC
Molecular Weight	58 kDa
Cellular Localization	Cytoplasm.
Positive Control	PC-12, N2A, NIH/3T3, SH-SY-5Y, mouse brain tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

Storage

Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction

The enzyme tyrosine hydroxylase (TH), also designated tyrosine 3-monoxygenase (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 Parkinson's 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.

Keywords

Dystonia 14; DYT14; DYT5b; EC
1.14.16.2; OTTHUMP00000011225; OTTHUMP00000011226; ple; Protein
Pale; TH; The; TY3H_HUMAN; TYH; Tyrosine 3 hydroxylase; Tyrosine 3
monoxygenase; Tyrosine 3-hydroxylase; Tyrosine 3-
monoxygenase; Tyrosine hydroxylase antibody
