

## Anti-Tyrosine Hydroxylase (Ser40) Antibody

Our Anti-Tyrosine Hydroxylase (Ser40) rabbit polyclonal phosphospecific primary antibody from Phosph Catalog # AN1600

## **Product Information**

Application WB, IHC, ICC
Primary Accession P04177
Host Rabbit
Clonality Polyclonal
Isotype IgG
Calculated MW 55966

## **Additional Information**

**Gene ID** 25085

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

**Target/Specificity** Tyrosine hydroxylase (TH) is the rate-limiting enzyme in the synthesis of the

catecholamines Dopamine and Norepinephrine. TH antibodies can therefore be used as markers for dopaminergic and noradrenergic neurons in a variety of applications including depression, schizophrenia, Parkinson's disease and drug abuse (Kish et al., 2001; Zhu et al., 2000; Zhu et al., 1999). TH antibodies

can also be used to explore basic mechanisms of dopamine and norepinephrine signaling (Witkovsky et al., 2000; Salvatore et al., 2001; Dunkley et al., 2004). The activity of TH is also regulated by phosphorylation

(Haycock et al., 1982; Haycock et al., 1992; Jedynak et al., 2002).

Phospho-specific antibodies for the phosphorylation sites on TH can be used to great effect in studying this regulation and in identifying the cells in which

TH phosphorylation occurs.

**Dilution** WB~~1:1000 IHC~~1:100~500 ICC~~N/A

**Format** Antigen Affinity Purified from Pooled Serum

**Storage** Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions** Anti-Tyrosine Hydroxylase (Ser40) Antibody is for research use only and not

for use in diagnostic or therapeutic procedures.

**Shipping** Blue Ice

## **Background**

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.