

## Product Datasheet

# Phospho-Tyrosine Hydroxylase (Ser31) Antibody



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Catalog No: CY6546

Reactivity: Human, Mouse, Rat

Isotype: Rabbit IgG

Applications: WB, IHC

### Information

**UniProt ID:** P07101

**All Names:** EC 1.14.16.2, TH isoform 3, TH isoform a, TH-4, TY3H, TYH, Tyrosine 3-hydroxylase, Tyrosine 3-monooxygenase, tyrosine hydroxylase

**Form:** Liquid

**Storage instructions:** Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

**Storage buffer:** pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

**Purity:** Affinity-chromatography

**Immunogen:** A synthesized peptide

**Molecular Wt.:** 60kDa

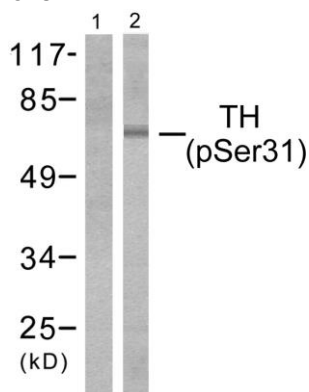
### Application

WB 1:500-1:2000

IHC 1:50-1:200

### Background

Tyrosine hydroxylase (EC 1.14.16.2) is involved in the conversion of phenylalanine to dopamine. As the rate-limiting enzyme in the synthesis of catecholamines, tyrosine hydroxylase has a key role in the physiology of adrenergic neurons.



Western blot analysis of extracts from 293 cells treated with UV (15mins), using Tyrosine Hydroxylase (phospho-Ser31) antibody.

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