Tyrosine Hydroxylase (Ser19) Antibody

Subcategory: Rabbit Polyclonal Antibody, Phosphospecific Antibody
Cat. No.: 252591
Unit: 0.1 ml

Description:
Tyrosine hydroxylase (TH) 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. Nerve cells with TH content are referred to as catecholaminergic cells and occurs mainly in the brain and adrenal glands. Defects in TH are the cause of Segawa syndrome, translating in progressive difficulty in walking. The activity of TH is also regulated by phosphorylation. 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.

Isotype: Rabbit Ig
Applications: E, WB, IF, IHC
Species Reactivity: R
Format: Each vial contains 0.1 ml IgG in HEPES pH7.5, 150 mM NaCl, 0.01% BSA and 50% glycerol. Antibody was purified by immunogen affinity chromatography.
Alternate Names: Tyrosine 3-hydroxylase; Tyrosine 3-monooxygenase; TH; TYH
Accession No.: P04177

Antigen: KLH-conjugated synthetic phosphopeptide encompassing a sequence surrounding Ser19 of rat tyrosine hydroxylase.
Application Notes: E: 1:1,000; WB: 1:1,000; IF: 1:1,000; IHC: 1:1,000

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.