
Tryptophan Hydroxylase (Ser260) Antibody

Subcategory: Rabbit Polyclonal Antibody, Phosphospecific Antibody

Cat. No.: 252590

Unit: 0.1 ml

Description:

Tryptophan 5-hydroxylase 1 (TPH) catalyzes the following reaction: L-tryptophan + tetrahydrobiopterin + O₂ = 5-hydroxy-L-tryptophan + 4a-hydroxytetrahydrobiopterin. TPH belongs to the biopterin-dependent aromatic amino acid hydroxylase family. The activity of TPH is enhanced by phosphorylation by cAMP-dependent protein kinase (PKA) and Ca²⁺/calmodulin kinase II (CaM K II). CaM K II phosphorylates Ser260 which lies within the regulatory domain of TPH.

Isotype: Rabbit Ig

Applications: E, WB

Species Reactivity: B, D, Ck, M, Zf, H, 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: Tryptophan 5-hydroxylase 1; tryptophan 5-momooxygenase 1; TPH1; TPH, TPRH; TRPH

Accession No.: P09810

Antigen: KLH-conjugated synthetic phosphopeptide encompassing a sequence surrounding Ser260 of rat tryptophan hydroxylase.

Application Notes: E: 1:1,000; WB: 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.