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## **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 + O<sub>2</sub> = 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 Ca<sup>2+</sup>/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.