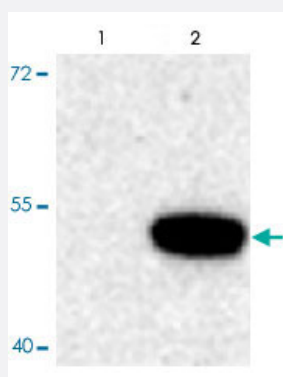


TPH1 (phospho S58) polyclonal antibody

Catalog # PAB9615 Size 100 uL

Applications



Western Blot (Recombinant protein)

Western blot of recombinant tryptophan hydroxylase incubated in the absence (Control) and presence of cAMP-dependent protein kinase (PKA) showing specific immunolabeling of the ~53k TPH1 protein phosphorylated at Ser58.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of TPH1.
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding S58 of rabbit TPH1.
Host	Rabbit
Theoretical MW (kDa)	55
Reactivity	Bovine, Clawed frog, Dog, Human, Mouse, Primates, Rabbit, Rat, Zebra fish
Form	Liquid
Purification	Affinity purification
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM HEPES, 150 mM NaCl, pH 7.5 (50% glycerol, 10% BSA)

Storage Instruction

Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

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Gene Info — TPH1

Entrez GeneID [100101558](#)

Protein Accession# [P09810](#)

Gene Name TPH1

Gene Alias TPH

Gene Description tryptophan hydroxylase 1

Gene Ontology [Hyperlink](#)

Other Designations tryptophan hydroxylase 1 (tryptophan 5-monooxygenase)

Publication Reference

- [A structural approach into human tryptophan hydroxylase and its implications for the regulation of serotonin biosynthesis.](#)

Martinez A, Knappskog PM, Haavik J.

Current Medicinal Chemistry 2001 Jul; 8(9):1077.

- [Identification of substrate orienting and phosphorylation sites within tryptophan hydroxylase using homology-based molecular modeling.](#)

Jiang GC, Yohrling GJ 4th, Schmitt JD, Vrana KE.

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- [Phosphorylation and activation of brain tryptophan hydroxylase: identification of serine-58 as a substrate site for protein kinase A.](#)

Kuhn DM, Arthur R Jr, States JC.

Journal of Neurochemistry 1997 May; 68(5):2220.