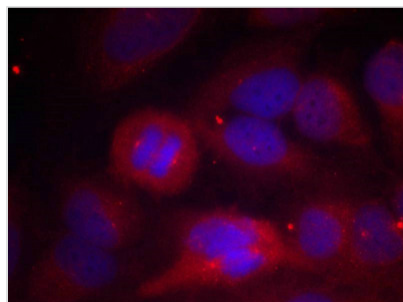




Phospho-TH (Ser40) Antibody

Product Code	CSB-PA154990
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P07101
Immunogen	Peptide sequence around phosphorylation site of serine 40 (R-Q-S(p)-L-I) derived from Human Tyrosine Hydroxylase (TH).
Raised In	Rabbit
Species Reactivity	Human, Mouse, Rat
Specificity	The antibody detects endogenous level of Tyrosine Hydroxylase only when phosphorylated at serine 40.
Tested Applications	ELISA, IF; IF: 1:100-1:200
Relevance	The protein encoded by Tyrosine Hydroxylase is involved in the conversion of tyrosine to dopamine. It is the rate-limiting enzyme in the synthesis of catecholamines, hence plays a key role in the physiology of adrenergic neurons. Mutations in this gene have been associated with autosomal recessive Segawa syndrome. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. Vazin T, et al. Stem Cells. 2008 Jun;26(6):1517-25 Pistocchi A, et al. BMC Dev Biol. 2008 Mar 10;8:27 Fukakusa A, et al. J Pharmacol Sci. 2008 Feb;106(2):321-4.
Form	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography
Clonality	Polyclonal
Alias	TY3H; TYH; Tyrosine 3-hydroxylase; tyrosine hydroxylase;
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	TH
Image	



Immunofluorescence staining of methanol-fixed HeLa cells using Tyrosine Hydroxylase(Phospho-Ser40) Antibody.

Product Modify**Phospho-Ser40**