

Tyrosine Hydroxylase(Phospho-Ser19) Antibody

Catalog No: #11329



Package Size: #11329-1 50ul #11329-2 100ul #11329-4 25ul

Overview

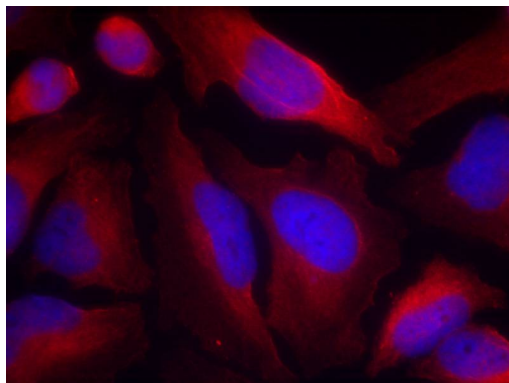
Product Name	Tyrosine Hydroxylase(Phospho-Ser19) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	IF
Species Reactivity	Rt
Immunogen Type	Peptide-KLH
Target Name	Tyrosine Hydroxylase
Modification	Phospho-Ser19
Alternative Names	TY3H; TYH; Tyrosine 3-hydroxylase; tyrosine hydroxylase;

Application Details

Predicted MW: 55-60 kd

Immunofluorescence: 1:100~1:200

Images



Immunofluorescence staining of methanol-fixed HeLa cells using Tyrosine Hydroxylase(Phospho-Ser19) Antibody #11329.

Descriptions

Immunogen	Peptide sequence around phosphorylation site of serine19 (A-V-S(p)-E-Q) derived from Rat Tyrosine Hydroxylase (TH).
Specificity	The antibody detects endogenous level of TyrosineHydroxylase only when phosphorylated at serine19.
Purification	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 using non-phosphopeptide.
Formulation	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.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Related Information

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.