Tyrosine Hydroxylase(Phospho-Ser40) Antibody

Catalog No: #11212

Package Size: #11212-1 50ul #11212-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

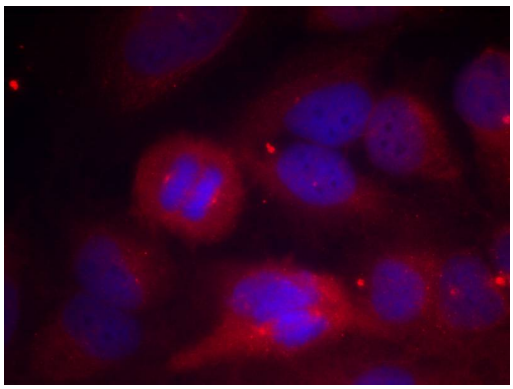
Product Name	Tyrosine Hydroxylase(Phospho-Ser40) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of Tyrosine Hydroxylase only when phosphorylated at serine 40.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 40 (R-Q-S(p)-L-I) derived from Human Tyrosine Hydroxylase (TH).
Target Name	Tyrosine Hydroxylase
Modification	Phospho
Other Names	TY3H; TYH; Tyrosine 3-hydroxylase; tyrosine hydroxylase;
Accession No.	Swiss-Prot: P07101NCBI Protein: NP_000351.2
Uniprot	P07101
GeneID	7054;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), 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.

Application Details

Predicted MW: 55-60 kd

Immunofluorescence: 1:100~1:200

Images



Immunofluorescence staining of methanol-fixed Hela cells using Tyrosine Hydroxylase(Phospho-Ser40) Antibody #11212.

Background

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