

Product datasheet for **AP09482PU-S**

Tyrosine Hydroxylase (TH) pSer19 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF
Recommended Dilution:	Immunofluorescence: 1/100~1/200.
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The antiserum was produced against synthesized phosphopeptide derived from human Tyrosine Hydroxylase around the phosphorylation site of Serine19 (A-V-S _p -E-Q).
Specificity:	Antibody AP09482PU detects endogenous levels of Tyrosine Hydroxylase only when phosphorylated at Serine 19.
Formulation:	PBS (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM NaCl, 0.02% Sodium Azide and 50% Glycerol. State: Aff - Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	tyrosine hydroxylase
Database Link:	Entrez Gene 25085 Rat P07101
Background:	Tyrosine hydroxylase is involved in the conversion of tyrosine to dopamine. As the rate-limiting enzyme in the synthesis of catecholamines, tyrosine hydroxylase has a key role in the physiology of adrenergic neurons. Tyrosine hydroxylase is regularly used as a marker for dopaminergic neurons, which is particularly relevant for research into Parkinson's disease



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Synonyms: Tyrosine 3-hydroxylase, TYH

Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Parkinson's disease, Tyrosine metabolism

Product images:

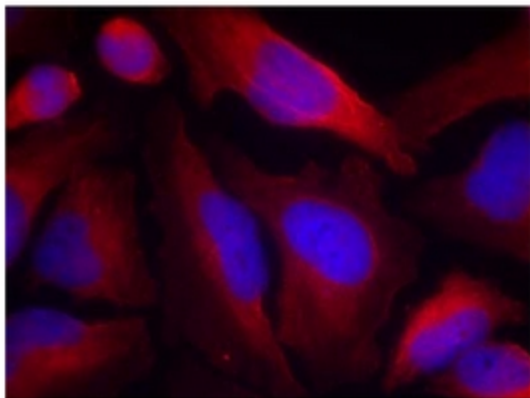


Figure 1. Immunofluorescence staining of methanol-fixed HeLa cells using Tyrosine Hydroxylase pSer19 Antibody (Red).