

## ARG51801 anti-Tyrosine Hydroxylase phospho (Ser19) antibody

Package: 100 µl, 50 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes Tyrosine Hydroxylase phospho (Ser19)
Tested Reactivity	Rat
Tested Application	ICC/IF
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Tyrosine Hydroxylase
Species	Rat
Immunogen	Peptide sequence around phosphorylation site of serine19 (A-V-S(p)-E-Q) derived from Rat Tyrosine Hydroxylase (TH).
Conjugation	Un-conjugated
Alternate Names	DYT14; TYH; Tyrosine 3-monooxygenase; Tyrosine 3-hydroxylase; TH; DYT5b; EC 1.14.16.2

### Application Instructions

Application table	Application	Dilution
	ICC/IF	1:100 - 1:200
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Antibodies were produced by immunizing rabbits with KLH-conjugated synthetic phosphopeptide. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. In addition, non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Buffer	PBS (without Mg <sup>2+</sup> and Ca <sup>2+</sup> , pH 7.4), 150mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

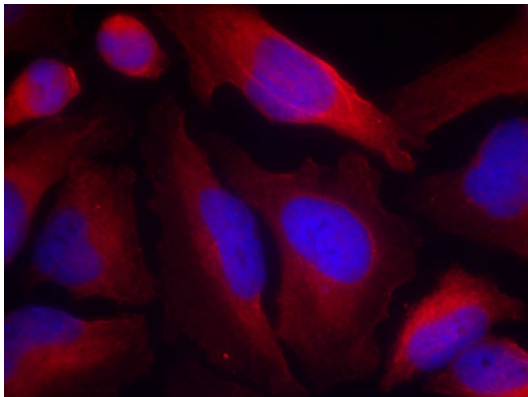
## Bioinformation

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Database links	<a href="#">GeneID: 25085 Rat</a> <a href="#">Swiss-port # P04177 Rat</a>
Gene Symbol	Th
Gene Full Name	tyrosine hydroxylase
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.
Function	Plays an important role in the physiology of adrenergic neurons. [UniProt]
Highlight	Related products: <a href="#">Tyrosine Hydroxylase antibodies: Tyrosine Hydroxylase Duos / Panels: Anti-Rabbit IgG secondary antibodies;</a> Related news: <a href="#">Astrocyte-to-neuron conversion for Parkinson's disease treatment</a>
Research Area	Cancer antibody; Metabolism antibody; Neuroscience antibody
Calculated Mw	59 kDa

## Images

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ARG51801 anti-Tyrosine Hydroxylase phospho (Ser19) antibody  
ICC/IF image

Immunofluorescence: methanol-fixed HeLa cells stained with  
ARG51801 anti-Tyrosine Hydroxylase phospho (Ser19) antibody.