

Product datasheet

Anti-Tyrosine Hydroxylase (phospho S19) antibody  
ab194785

1 Image

Overview

<b>Product name</b>	Anti-Tyrosine Hydroxylase (phospho S19) antibody
<b>Description</b>	Rabbit polyclonal to Tyrosine Hydroxylase (phospho S19)
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Rat, Human
<b>Immunogen</b>	Synthetic peptide corresponding to Human Tyrosine Hydroxylase (phospho S19). Residues surrounding serine 19. Database link: <a href="#">P07101</a>
<b>Positive control</b>	HeLa cells.

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.3 Preservative: 0.02% Sodium azide Constituents: 50% Glycerol, 49% PBS
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab194785** in the following tested applications.

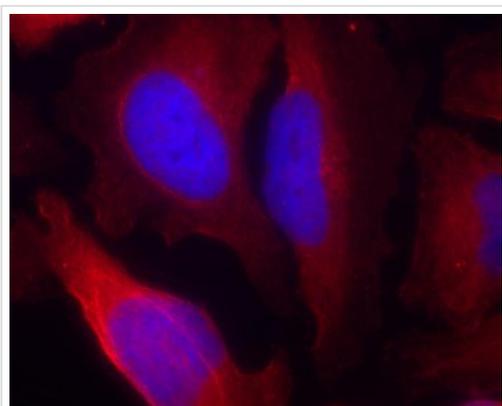
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		1/100 - 1/200.

## Target

<b>Function</b>	Plays an important role in the physiology of adrenergic neurons.
<b>Tissue specificity</b>	Mainly expressed in the brain and adrenal glands.
<b>Pathway</b>	Catecholamine biosynthesis; dopamine biosynthesis; dopamine from L-tyrosine: step 1/2.
<b>Involvement in disease</b>	Defects in TH are the cause of dystonia DOPA-responsive autosomal recessive (ARDRD) [MIM:605407]; also known as autosomal recessive Segawa syndrome. ARDRD is a form of DOPA-responsive dystonia presenting in infancy or early childhood. Dystonia is defined by the presence of sustained involuntary muscle contractions, often leading to abnormal postures. Some cases of ARDRD present with parkinsonian symptoms in infancy. Unlike all other forms of dystonia, it is an eminently treatable condition, due to a favorable response to L-DOPA. Note=May play a role in the pathogenesis of Parkinson disease (PD). A genome-wide copy number variation analysis has identified a 34 kilobase deletion over the TH gene in a PD patient but not in any controls.
<b>Sequence similarities</b>	Belongs to the bipterin-dependent aromatic amino acid hydroxylase family.

## Images



Immunofluorescence analysis of methanol-fixed HeLa cells, labeling Tyrosine Hydroxylase (phospho S19) using ab194785 at a 1/100 dilution.

Immunocytochemistry/ Immunofluorescence - Anti-Tyrosine Hydroxylase (phospho S19) antibody (ab194785)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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