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Datasheet for ABIN2179763

## anti-Tryptophan Hydroxylase 2 antibody (pSer19)

### 1 Image

#### Overview

Quantity:	100 µL
Target:	Tryptophan Hydroxylase 2 (TPH2)
Binding Specificity:	pSer19
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Tryptophan Hydroxylase 2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

#### Product Details

Immunogen:	KLH conjugated synthesised phosphopeptide derived from human TPH2 around the phosphorylation site of Ser19
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human,Dog,Horse
Purification:	Purified by Protein A.

## Target Details

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Target:	Tryptophan Hydroxylase 2 (TPH2)
Alternative Name:	TPH2 ( <a href="#">TPH2 Products</a> )
Background:	<p>Synonyms: NTPH, ADHD7, Tryptophan 5-hydroxylase 2, Neuronal tryptophan hydroxylase, Tryptophan 5-monoxygenase 2, TPH2</p> <p>Background: This gene encodes a member of the pterin-dependent aromatic acid hydroxylase family. The encoded protein catalyzes the first and rate limiting step in the biosynthesis of serotonin, an important hormone and neurotransmitter. The human genome contains two related tryptophan hydroxylases, one on chromosome 11p15-p14 and one on chromosome 12q21. This gene is expressed predominantly in the brain stem. Mutations in this gene may be associated with psychiatric diseases such as bipolar affective disorder and major depression. [provided by RefSeq, Jul 2008]</p>
Gene ID:	121278
UniProt:	<a href="#">Q8IWU9</a>

## Application Details

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Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

## Handling

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Storage: 4 °C, -20 °C

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Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

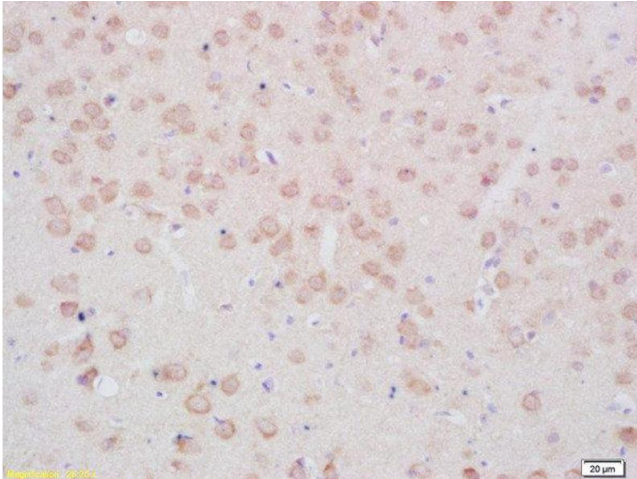
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Expiry Date: 12 months

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## Images

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### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin embedded rat brain tissue labeled with Anti- TPH (Ser19) Polyclonal Antibody, Unconjugated (ABIN2179763) 1:200 followed by conjugation to the secondary antibody and DAB staining