Datasheet for ABIN7180101

anti-Tryptophan Hydroxylase 2 antibody (Ser19)

1 Image

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Overview

Quantity:	100 µL
Target:	Tryptophan Hydroxylase 2 (TPH2)
Binding Specificity:	Ser19
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Tryptophan Hydroxylase 2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Synthesized non-phosphopeptide derived from Human TPH2 around the phosphorylation site of serine 19 (G-FI-S(p)-L-D).
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Target Details

Target:	Tryptophan Hydroxylase 2 (TPH2)
Alternative Name:	TPH2 (TPH2 Products)

Target Details

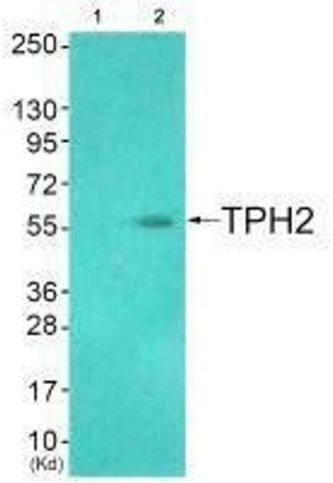
Background:	Background: This gene encodes a member of the pterin-dependent aromatic acid hydroxylase family. The encoded protein catalyzes the first and rate limiting step in the biosynthesis of serotonin, an important hormone and neurotransmitter. The human genome contains two related tryptophan hydroxylases, 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. Bader M., Science 299:76-76(2003). Gibbs R.A., Nature 440:346-351(2006). Pandey A., Proc. Natl. Acad. Sci. U.S.A. 104:2199-2204(2007). Aliases: MGC138871 antibody, ADHD7 antibody, FLJ37295 antibody, MGC138872 antibody, Neuronal tryptophan hydroxylase antibody, NTPH antibody, TPH 2 antibody, Tph2 antibody, TPH2_HUMAN antibody, Tryptophan 5-hydroxylase 2 antibody, Tryptophan 5-monooxygenase 2 antibody, Tryptophan hydroxylase 2 antibody
UniProt:	Q8IWU9

Application Details

Application Notes:	WB:1:500-1:3000,
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Western Blotting

Image 1. Western blot analysis of extracts from HuvEc cells (Lane 2), using TPH2 (Ab-19) antiobdy. The lane on the left is treated with systhesized peptide.

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