TPH2 (Phospho-Ser19) Antibody

Catalog No: #11828

Package Size: #11828-1 50ul #11828-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

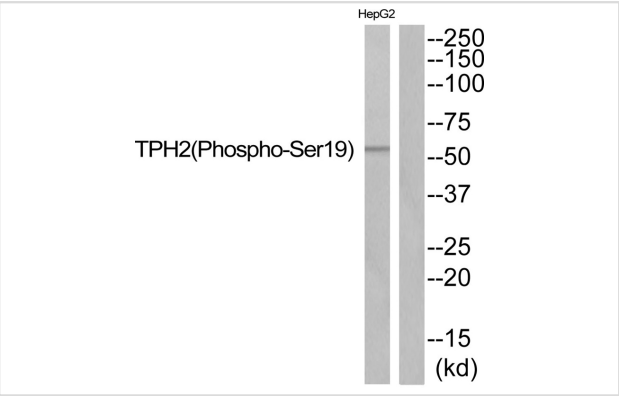
Description

Product Name	TPH2 (Phospho-Ser19) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of TPH2 only when phosphorylated at serine 19.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of Serine 19(G-F-S(p)-L-D) derived from Human TPH2.
Target Name	TPH2
Modification	Phospho
Other Names	ADHD7; NTPH; TPH2;
Accession No.	Swiss-Prot#: Q8IWU9; NCBI Gene#: 121278; NCBI Protein#: NP_775489.2.
Uniprot	Q8IWU9
GeneID	121278;
SDS-PAGE MW	56kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from HepG2 cells using TPH2 (Phospho-Ser19) Antibody #11828.The lane on the right is treated with the antigen-specific peptide.

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.

Walther D.J., Science 299:76-76(2003).

Scherer S.E., Nature 440:346-351(2006).

Note: This product is for in vitro research use only