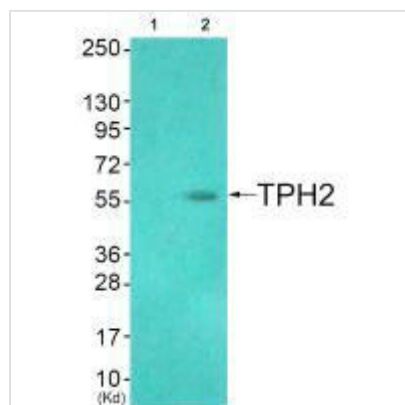




TPH2 (Ab-19) Antibody

Product Code	CSB-PA272667
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q8IWU9
Immunogen	Synthesized non-phosphopeptide derived from Human TPH2 around the phosphorylation site of serine 19 (G-FI-S(p)-L-D).
Raised In	Rabbit
Species Reactivity	Human, Mouse
Specificity	The antibody detects endogenous levels of total TPH2 protein.
Tested Applications	ELISA, WB; WB: 1:500-1:3000
Relevance	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).
Form	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Alias	Neuronal tryptophan hydroxylase; NTPH; Tryptophan 5- monooxygenase 2;
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	TPH2
Image	



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