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TPH2 Polyclonal Antibody

Catalog # AP72894

Product Information

Application	WB, E
Primary Accession	Q8IWU9
Reactivity	Human, Mouse, Rat, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56057

Additional Information

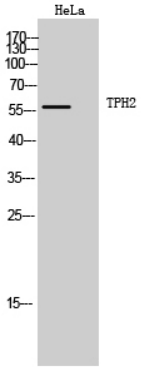
Gene ID	121278
Other Names	TPH2; NTPH; Tryptophan 5-hydroxylase 2; Neuronal tryptophan hydroxylase; Tryptophan 5-monooxygenase 2
Dilution	WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications. E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

Protein Information

Name	TPH2
Synonyms	NTPH
Function	Neuron-specific enzyme that catalyzes the conversion of L- tryptophan into 5-hydroxy-L-tryptophan, the rate-limiting step in serotonin production, using Fe(2+) as cofactor and molecular oxygen and tetrahydrobiopterin (BH4) as cosubstrates (PubMed:17905754, PubMed:19319927, PubMed:37608910). Plays a crucial role in regulating mood, anxiety and sleep (By similarity).
Tissue Location	Brain specific.

Images

Western Blot analysis of HeLa cells using TPH2 Polyclonal Antibody. Secondary antibody was diluted at 1:20000



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.