

## TPH2 Antibody

Catalog No: #43424

Package Size: #43424-1 50ul #43424-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

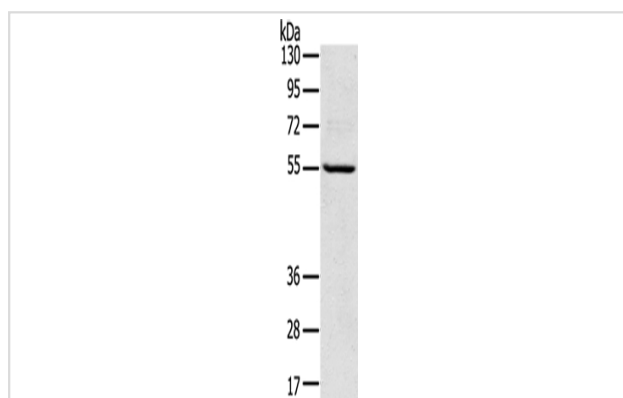
Product Name	TPH2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB IHC
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous levels of total TPH2 protein.
Immunogen Description	Synthetic peptide of human TPH2
Conjugates	Unconjugated
Target Name	TPH2
Other Names	NTPH; ADHD7
Accession No.	Swiss-Prot#: Q8IWU9Gene ID: 121278
Calculated MW	56kd
Concentration	1.2mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol.
Storage	Store at -20°C

## Application Details

Western blotting: 1:200-1:1000

Immunohistochemistry: 1:20-1:100

## Images



Gel: 8%SDS-PAGE

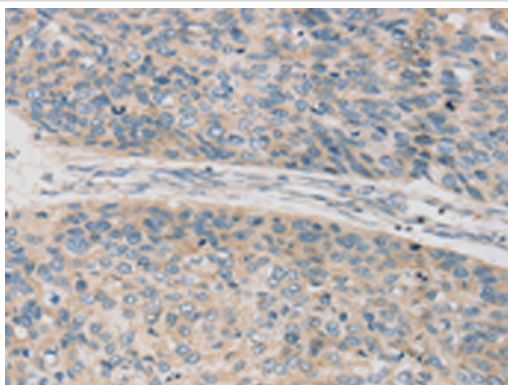
Lysate: 40 µg

Lane: Huvec cells

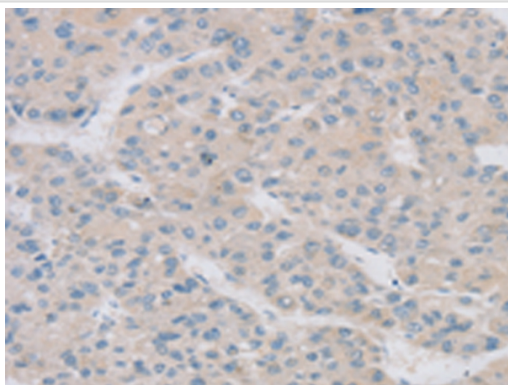
Primary antibody: 1/300 dilution

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 1 minute



Immunohistochemical analysis of paraffin-embedded Human esophagus cancer tissue using #43424 at dilution 1/20.



Immunohistochemical analysis of paraffin-embedded Human liver cancer tissue using #43424 at dilution 1/20.

## 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.

## Published Papers

el at., Effects of Liqi Tongbian decoction on gut microbiota, SCFAs production, and 5-HT pathway in STC rats with Qi Stagnation Pattern. In Front Microbiol on 2024 Mar 15 by Qihong Liu, Danfeng Ke,et al..PMID:38559349 , (2024)

[PMID:38559349](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.