

## TPH1 Antibody

Catalog No: #35965

Package Size: #35965 100ul

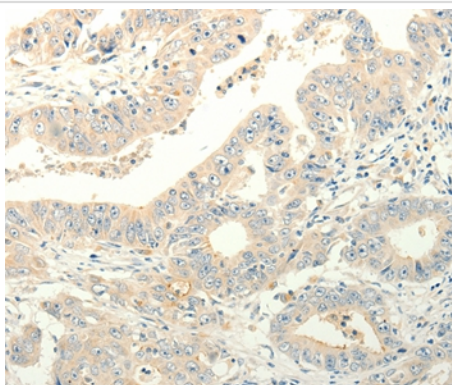
## Description

|                       |                                                                                                |
|-----------------------|------------------------------------------------------------------------------------------------|
| Product Name          | TPH1 Antibody                                                                                  |
| Host Species          | Rabbit                                                                                         |
| Clonality             | Polyclonal                                                                                     |
| Purification          | Antigen affinity purification.                                                                 |
| Applications          | IHC                                                                                            |
| Species Reactivity    | Hu                                                                                             |
| Specificity           | The antibody detects endogenous levels of total TPH1 protein.                                  |
| Immunogen Type        | Recombinant Protein                                                                            |
| Immunogen Description | Fusion protein corresponding to residues near the C terminal of human tryptophan hydroxylase 1 |
| Conjugates            | Unconjugated                                                                                   |
| Target Name           | TPH1                                                                                           |
| Other Names           | TPRH; TRPH                                                                                     |
| Accession No.         | Swiss-Prot#: P17752NCBI Gene ID: 7166Gene Accssion: BC106739                                   |
| Concentration         | 0.7mg/ml                                                                                       |
| Formulation           | Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol.                                |
| Storage               | Store at -20°C                                                                                 |

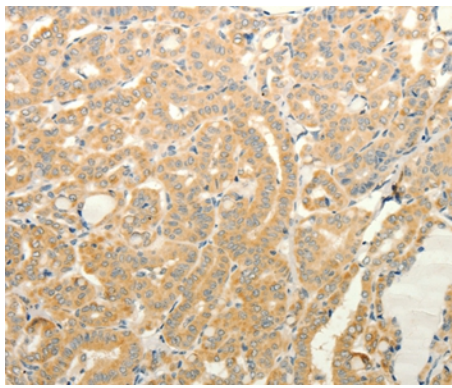
## Application Details

Immunohistochemistry: 1:15-1:50

## Images



Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue using #35965 at dilution 1/20.



Immunohistochemical analysis of paraffin-embedded Human gastric cancer tissue using #35965 at dilution 1/20.

## Background

This gene encodes a member of the aromatic amino acid hydroxylase family. The encoded protein catalyzes the first and rate limiting step in the biosynthesis of serotonin, an important hormone and neurotransmitter. Mutations in this gene have been associated with an elevated risk for a variety of diseases and disorders, including schizophrenia, somatic anxiety, anger-related traits, bipolar disorder, suicidal behavior, addictions, and others.

## Published Papers

Jing Guan;Xin Tong;Yi Zhang;Fan Xu;Yuxin Zhang;Xiurui Liang;Jiaqi Jin;Hongyan Jing;Liuxian Guo;Xinrui Ni;Jihua Fu et al., Nephrotoxicity induced by cisplatin is primarily due to the activation of the 5-hydroxytryptamine degradation system in proximal renal tubules, , (2021)

[PMID:](#)

Fan Xu;Jiaqi Jin;Yi Zhang;Jing Guan;Xiurui Liang;Yuxin Zhang;Ansheng Yuan;Runkun Liu;Jihua Fu et al., The activation of 5-hydroxytryptamine degradation system in proximal renal tubular epithelial cells induced by renal ischemia-reperfusion injury, , (2021)

[PMID:](#)

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