

Product datasheet for **TA321631**

Tryptophan Hydroxylase (TPH1) Rabbit Polyclonal Antibody

Product data:

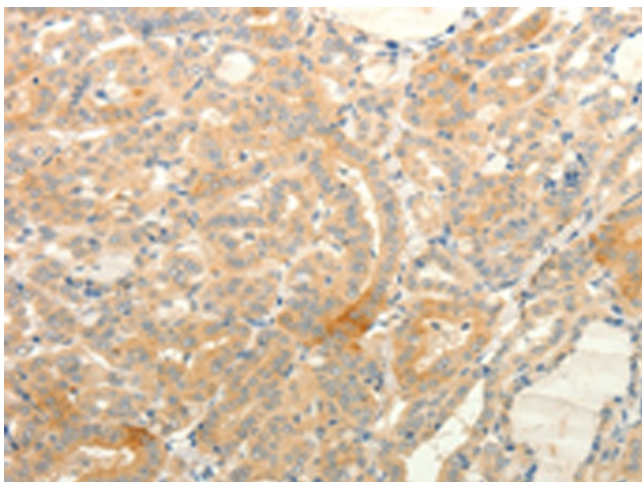
Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 25-100 Positive control: Human thyroid cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to a region derived from C terminal 250 amino acids of human tryptophan hydroxylase 1
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	tryptophan hydroxylase 1
Database Link:	NP_004170 Entrez Gene 21990 Mouse Entrez Gene 24848 Rat Entrez Gene 7166 Human P17752
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.
Synonyms:	TPRH; TRPH
Protein Families:	Druggable Genome



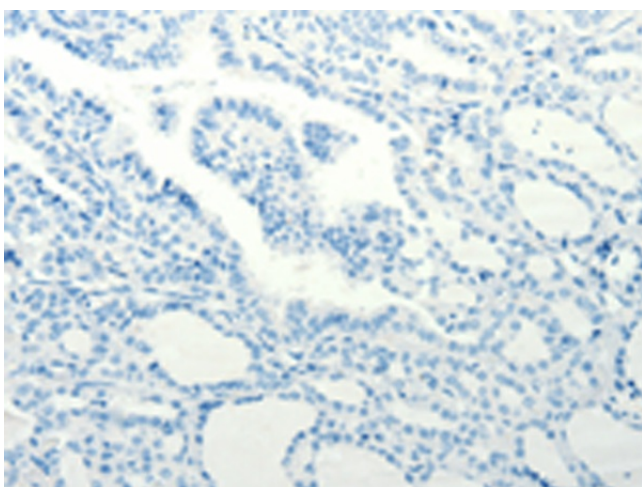
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Protein Pathways: Metabolic pathways, Tryptophan metabolism

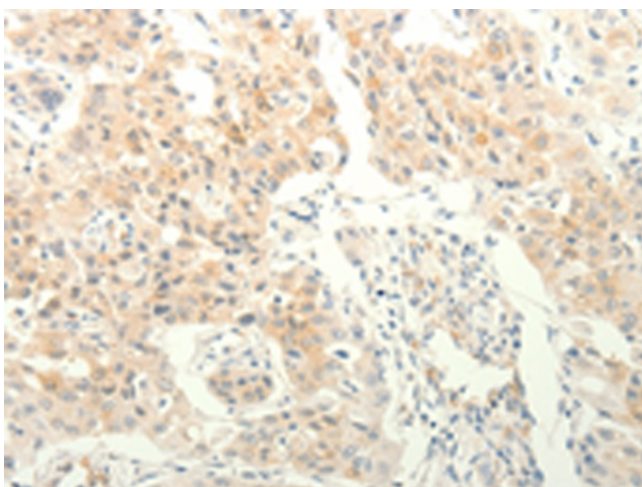
Product images:



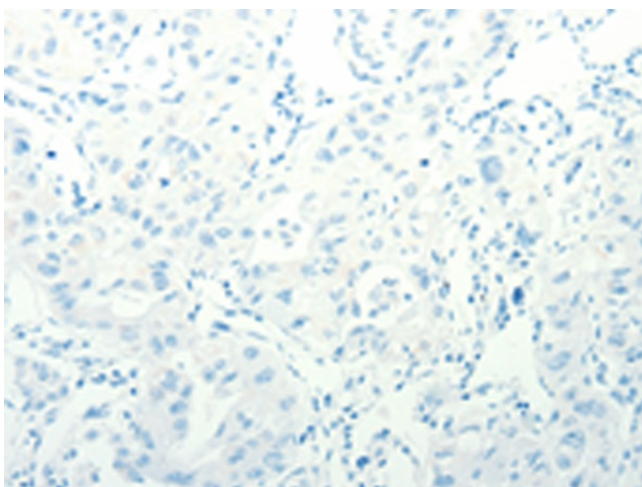
Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA321631 (TPH1 Antibody) at dilution 1/25 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA321631 (TPH1 Antibody) at dilution 1/25, treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human lung cancer tissue using TA321631 (TPH1 Antibody) at dilution 1/25 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human lung cancer tissue using TA321631 (TPH1 Antibody) at dilution 1/25, treated with fusion protein. (Original magnification: ×200)