Rabbit Tryptophan Hydroxylase Polyclonal Antibody | anti-TPH1 antibody

Phospho-Tryptophan Hydroxylase (Ser58) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329286	**Rabbit**	**Human, Mouse, Rat**	**ELISA, Immunohistochemistry**

PRODUCT SYNONYMS

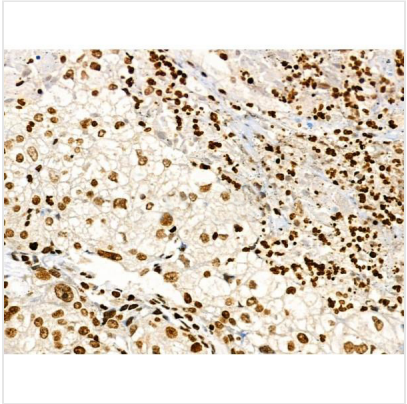
Tryptophan Hydroxylase; Polyclonal Antibody; Phospho-Tryptophan Hydroxylase (Ser58) Antibody; Indoleacetic acid 5 hydroxylase; L tryptophan hydroxylase; MGC119994; TpH1; TPH; TPH1; TPH1_HUMAN; TPRH; TRPH; Tryptophan 5 hydroxylase 1; Tryptophan 5 monooxygenase 1; Tryptophan 5 monooxygenase; Tryptophan 5-hydroxylase 1; Tryptophan 5-monooxygenase 1; Tryptophan hydroxylase 1; anti-TPH1 antibody

PRODUCT SPECIFICATIONS

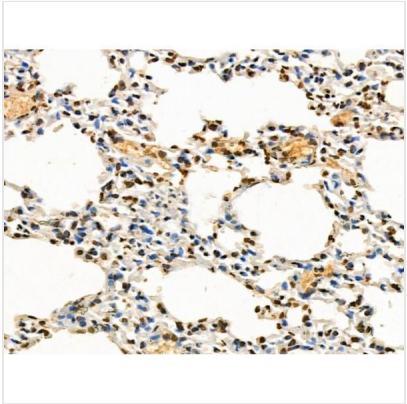
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-Tryptophan Hydroxylase (Ser58) Antibody detects endogenous levels of Tryptophan Hydroxylase only when phosphorylated at Ser58. Tissue Specificity: Isoform 2 seems to be less widely expressed than isoform 1.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-TPH1 antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry)
Immunogen	A synthesized peptide derived from human Tryptophan Hydroxylase around the phosphorylation site of Ser58.
Conjugation	Unconjugated
Fragment	Fab fragment
Subunit Structure	Homotetramer.
Similarity	Belongs to the biopterin-dependent aromatic amino acid hydroxylase family.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES

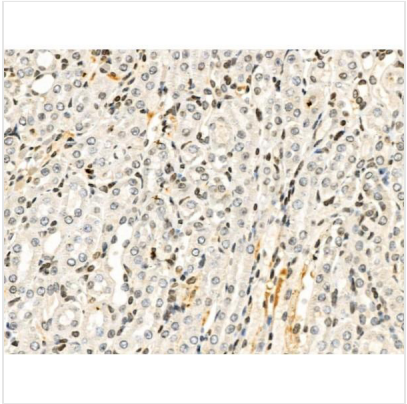
IHC (Immunohistochemistry)
At 1/100 staining Human esophageal cancer and adjacent normal tissues by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



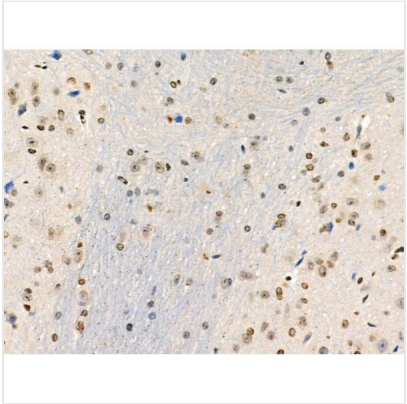
IHC (Immunohistochemistry)
At 1/100 staining Human pancreatic cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemisry)
At 1/100 staining Mouse lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohiostchemistry)
Staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
At 1/100 staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4759248
NCBI GeneID	7166
NCBI Accession #	NP_004170.1
NCBI GenBank Nucleotide #	NM_004179.2
UniProt Accession #	P17752; O95188; O95189; Q16736; Q3KPG8; D3DQX6
Molecular Weight	50,985 Da
NCBI Official Full Name	tryptophan 5-hydroxylase 1
NCBI Official Synonym Full Names	tryptophan hydroxylase 1
NCBI Official Symbol	TPH1
NCBI Official Synonym Symbols	TPRH; TRPH
NCBI Protein Information	tryptophan 5-hydroxylase 1; L-tryptophan hydroxylase; tryptophan 5-monooxygenase 1; indoleacetic acid-5-hydroxylase; tryptophan hydroxylase (tryptophan 5-monooxygenase)
UniProt Protein Name	Tryptophan 5-hydroxylase 1
UniProt Gene Name	**TPH1**
UniProt Synonym Gene Names	TPH; TPRH; TRPH
UniProt Entry Name	TPH1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
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