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Product datasheet for AP31262PU-N

Tyrosine Hydroxylase (TH) (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	**ELISA:** 1/20000. **Immunofluorescence:** 1/100 - 1/500. **Immunohistochemistry on Paraffin Sections:** 1/100. **Western Blot:** 1/500 - 1/1000.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide - KLH conjugated
Specificity:	Tyrosine Hydroxylase (Ab-40) Antibody detects endogenous levels of total Tyrosine Hydroxylase protein.
Formulation:	PBS (without Mg2+, Ca2+), pH 7.4, 150 mM sodium chloride, 0.02% sodium azide, 50% glycerol State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Immunoaffinity chromatography
Conjugation:	Unconjugated
Storage:	tore the antibody at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	tyrosine hydroxylase
Database Link:	Entrez Gene 21823 MouseEntrez Gene 25085 RatEntrez Gene 7054 Human P07101

View online »

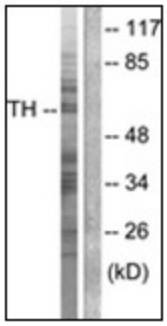
Background: Tyrosine hydroxylase in involved in the conversion of phenylalanine to dopamine. It is the rate-limiting enzyme in the synthesis of catecholamines and as such has a key role in the physiology of adrenergic neurons. TH is encoded by four distinct mRNAs produced by alternative splicing of a single primary transcript. Expression of the mRNAs varies in different parts of the nervous system. Defects in TH are the cause of autosomal recessive Segawa syndrome.

Synonyms: Tyrosine 3-hydroxylase, TYH

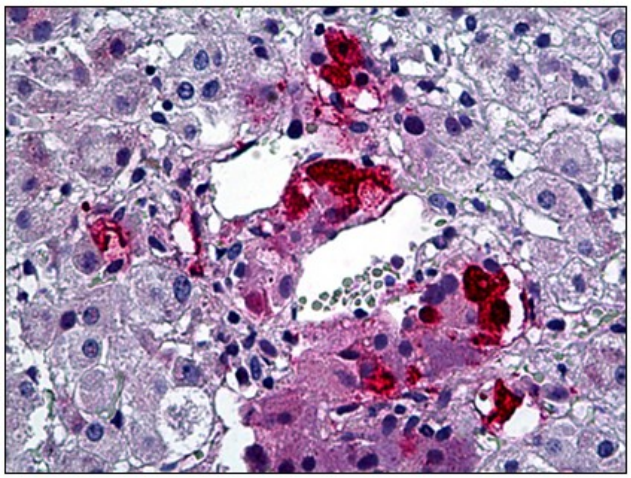
Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Parkinson's disease, Tyrosine metabolism

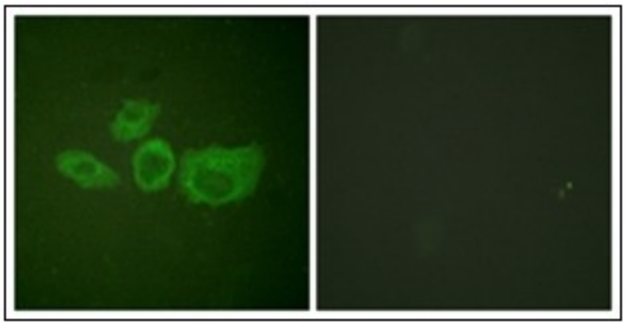
Product images:



Western blot analysis of extracts from NIH-3T3 cells, treated with Forskolin 40nM 30', using Tyrosine Hydroxylase Antibody. The lane on the right is treated with the synthesized peptide.



Human Adrenal Medulla: Formalin-Fixed, Paraffin-Embedded (FFPE)



Immunofluorescence analysis of HuvEc cells, using Tyrosine Hydroxylase Antibody. The picture on the right is treated with the synthesized peptide.