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TH Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP6945b

Specification

TH Antibody (C-term) Blocking Peptide - Product Information

Primary Accession P07101

TH Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 7054

Other Names
Tyrosine 3-monooxygenase, Tyrosine 3-hydroxylase, TH, TH, TYH

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP6945b was selected from the C-term region of human TH. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

TH Antibody (C-term) Blocking Peptide - Protein Information

Name TH

Synonyms TYH

TH Antibody (C-term) Blocking Peptide - Background

TH is involved in the conversion of tyrosine to dopamine. It is the rate-limiting enzyme in the synthesis of catecholamines, hence plays a key role in the physiology of adrenergic neurons.

TH Antibody (C-term) Blocking Peptide - References

Kuhn,D.M., et.al., J. Biol. Chem. 277 (16), 14336-14342 (2002)

Function
Plays an important role in the physiology of adrenergic neurons (By similarity). Positively regulates the regression of retinal hyaloid vessels during postnatal development (By similarity).

Cellular Location
Cytoplasm, perinuclear region {ECO:0000250|UniProtKB:P24529}

Tissue Location
Mainly expressed in the brain and adrenal glands.

TH Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides