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QPCT Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP17434b

Specification

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

Primary Accession Q16769

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

Gene ID 25797

Other Names
Glutaminyl-peptide cyclotransferase, Glutaminyl cyclase, QC, sQC, Glutaminyl-tRNA cyclotransferase, Glutamyl cyclase, EC, QPCT

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.

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

Name QPCT

Function
Responsible for the biosynthesis of pyroglutamyl peptides. Has a bias against acidic and tryptophan residues adjacent to the N- terminal glutaminyl residue and a lack of importance of chain length after the second residue. Also catalyzes N-terminal pyroglutamate formation. In vitro, catalyzes pyroglutamate formation of N-terminally truncated form of APP amyloid-beta peptides [Glu-3]-amyloid-beta. May be involved in the N-terminal pyroglutamate formation of several amyloid-related plaque-forming peptides.

Cellular Location
Secreted.

QPCT Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

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QPCT Antibody (C-term) Blocking Peptide - Images

QPCT Antibody (C-term) Blocking Peptide - Background

This gene encodes human pituitary glutaminyl cyclase,which is responsible for the presence of pyroglutamyl residues inmany neuroendocrine peptides. The amino acid sequence of thisenzyme is 86% identical to that of bovine glutaminyl cyclase.

QPCT Antibody (C-term) Blocking Peptide - References

Morawski, M., et al. Acta Neuropathol. 120(2):195-207(2010)Stephan, A., et al. FEBS J. 276(22):6522-6536(2009)Marroni, F., et al. Circ Cardiovasc Genet 2(4):322-328(2009)Calvaresi, M., et al. Proteins 73(3):527-538(2008)Cynis, H., et al. J. Mol. Biol. 379(5):966-980(2008)