

QPCT Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP17434b**Specification**

QPCT Antibody (C-term) Blocking Peptide - Product InformationPrimary 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](#)

QPCT Antibody (C-term) Blocking Peptide - Images**QPCT Antibody (C-term) Blocking Peptide - Background**

This gene encodes human pituitary glutamyl cyclase, which is responsible for the presence of pyroglutamyl residues in many neuroendocrine peptides. The amino acid sequence of this enzyme is 86% identical to that of bovine glutamyl 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)