

QPCT Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17434b

Specification

QPCT Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	Q16769
Other Accession	NP_036545.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	40877
Antigen Region	315-343

QPCT Antibody (C-term) - Additional Information

Gene ID 25797

Other Names

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

Target/Specificity

This QPCT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 315-343 amino acids from the C-terminal region of human QPCT.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

QPCT Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

QPCT Antibody (C-term) - 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 glutaminy 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.

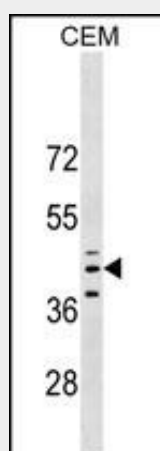
Cellular Location
Secreted.

QPCT Antibody (C-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

QPCT Antibody (C-term) - Images



QPCT Antibody (C-term) (Cat. #AP17434b) western blot analysis in CEM cell line lysates (35ug/lane). This demonstrates the QPCT antibody detected the QPCT protein (arrow).

QPCT Antibody (C-term) - Background

This gene encodes human pituitary glutaminy 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 glutaminy cyclase.

QPCT Antibody (C-term) - 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)