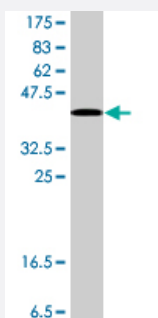


QPCT polyclonal antibody (A01)

Catalog # H00025797-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (36.89 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant QPCT.
Immunogen	QPCT (NP_036545, 262 a.a. ~ 359 a.a) partial recombinant protein with GST tag.
Sequence	PNSARWFERLQAIEHELHELGLLKDHSLEGRYFQNYSYGGVIQDDHIPFLRRGVPVLHLIPSPFPEV WHTMDDNEENLDESTIDNLNKILQVFVLEYL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (82); Rat (69)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.89 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — QPCT

Entrez GeneID [25797](#)

GeneBank Accession# [NM_012413](#)

Protein Accession# [NP_036545](#)

Gene Name QPCT

Gene Alias GCT, QC

Gene Description glutamyl-peptide cyclotransferase

Omim ID [607065](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations glutamyl cyclase

Publication Reference

- [Glutamyl Cyclase in Human Cortex: Correlation with \(pGlu\)-Amyloid- \$\beta\$ Load and Cognitive Decline in Alzheimers Disease.](#)

Morawski M, Schilling S, Kreuzberger M, Waniek A, Jager C, Koch B, Cynis H, Kehlen A, Arendt T, Hartlage-Rubsamen M, Demuth HU, Rossner S.

Journal of Alzheimer's Disease 2014 Jan; 39(2):385.

Application: IHC, Human, Brain

- [Inhibition of Glutamyl Cyclase Attenuates Cell Migration Modulated by Monocyte Chemoattractant Proteins.](#)

Chen YL, Huang KF, Kuo WC, Lo YC, Lee YM, Wang AH.

The Biochemical Journal 2012 Mar; 442(2):403.

Application: WB, Human, U937 cells

- [Glutaminyl cyclase contributes to the formation of focal and diffuse pyroglutamate \(pGlu\)-A \$\beta\$ \] deposits in hippocampus via distinct cellular mechanisms.](#)

Hartlage-Rubsamen M, Morawski M, Waniek A, Jager C, Zeitschel U, Koch B, Cynis H, Schilling S, Schliebs R, Demuth HU, RoBner S.

Acta Neuropathologica 2011 Jun; 121(6):705.

Application: IHC, Human, Brain

- [Distinct glutaminyl cyclase expression in Edinger-Westphal nucleus, locus coeruleus and nucleus basalis Meynert contributes to pGlu-A \$\beta\$ pathology in Alzheimer's disease.](#)

Morawski M, Hartlage-Rubsamen M, Jager C, Waniek A, Schilling S, Schwab C, McGeer PL, Arendt T, Demuth HU, Rossner S.

Acta Neuropathologica 2010 Aug; 120(2):195.

Application: IHC, Human, Brain

Disease

- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Osteoporosis](#)