

Rabbit anti-Human QPCT Polyclonal Antibody | anti-QPCT antibody

Anti-QPCT Antibody, Rabbit Polyclonal

CATALOG # AAA255692	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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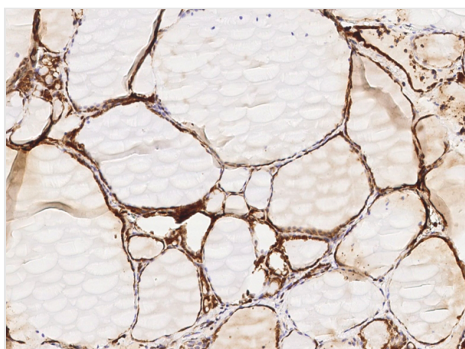
PRODUCT SYNONYMS

QPCT; Polyclonal Antibody; Anti-QPCT Antibody; Rabbit Polyclonal; Glutaminyl cyclase/QPCT Antibody; Rabbit PAb; Antigen Affinity Purified; glutaminyl-peptide cyclotransferase; Anti-GCT Antibody; Anti-QC Antibody; Anti-sQC Antibody; anti-QPCT antibody

PRODUCT SPECIFICATIONS

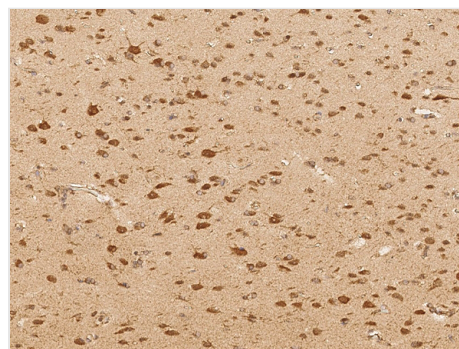
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Glutaminyl cyclase/QPCT
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-QPCT antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human Glutaminyl cyclase/QPCT Protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human Glutaminyl cyclase/QPCT (rh Glutaminyl cyclase/QPCT). Glutaminyl cyclase/QPCT specific IgG was purified by Human Glutaminyl cyclase/QPCT affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human QPCT in human thyroid with rabbit polyclonal antibody (1:2000, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)

Immunochemical staining of human QPCT in human brain with rabbit polyclonal antibody (1:2000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-QPCT antibody	Glutaminyl cyclase, also known as QPCT, can promote the N-terminal cyclization reaction of N-terminal pyroglutamate(pGlu). The pGlu formation from its glutaminyl precursor is required in the maturation of numerous bioactive peptides, while the aberrant formation of pGlu may be related to several pathological processes, such as osteoporosis and amyloidotic diseases. Glutaminyl cyclase's structure reveals an alpha/beta scaffold akin to that of two-zinc exopeptidases but with several insertions and deletions, particularly in the active-site region. Glutaminyl cyclase's amino acid sequence of this enzyme is 86% identical to that of bovine glutaminyl cyclase. It is responsible for the presence of pyroglutamyl residues in many neuroendocrine peptides.
References	Busby WH, et al. (1987) An enzyme(s) that converts glutaminyl-peptides into pyroglutamyl-peptides. Presence in pituitary, brain, adrenal medulla, and lymphocytes. J Biol Chem. 262(18):8532-6.Bateman RC, et al. (2001) Evidence for essential histidines in human pituitary glutaminyl cyclase. Biochemistry. 40(37):11246-50.Schilling S, et al. (2002) Heterologous expression and characterization of human glutaminyl cyclase: evidence for a disulfide bond with importance for catalytic activity. Biochemistry. 41 (35):10849-57.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6912618
NCBI GeneID	25797
NCBI Accession #	NP_036545.1
NCBI GenBank Nucleotide #	NM_012413.3
UniProt Accession #	Q16769; Q16770; Q3KRG6; Q53TR4
Molecular Weight	35,421 Da
NCBI Official Full Name	glutaminyl-peptide cyclotransferase
NCBI Official Synonym Full Names	glutaminyl-peptide cyclotransferase
NCBI Official Symbol	QPCT
NCBI Official Synonym Symbols	QC; GCT; sQC
NCBI Protein Information	glutaminyl-peptide cyclotransferase
UniProt Protein Name	Glutaminyl-peptide cyclotransferase
UniProt Gene Name	QPCT
UniProt Synonym Gene Names	QC; sQC; EC
UniProt Entry Name	QPCT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/qpct-antibody-immunohistochemistry-elisa/255692>