

Rabbit QPCT Polyclonal Antibody | anti-QPCT antibody

QPCT antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199948	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep	Western Blot

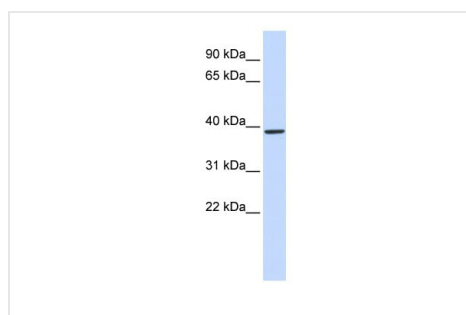
PRODUCT SYNONYMS

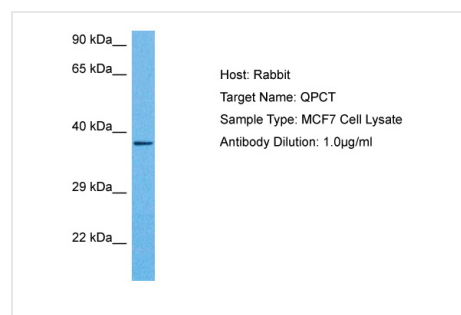
QPCT; Polyclonal Antibody; QPCT antibody - middle region; anti-QPCT antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: SR HLAAKMASTP HPPGARGTSQ LHGM DLLVLL DLIGAPNPTF PNFFPNSA
Sequence Length	361
Applicable Applications for anti-QPCT antibody	WB (Western Blot)
Homology	Cow: 86%; Dog: 79%; Guinea Pig: 93%; Horse: 79%; Human: 100%; Mouse: 79%; Rabbit: 93%; Rat: 100%; Sheep: 86%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human QPCT
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES


WB (Western Blot)

WB Suggested Anti-QPCT Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:62500
Positive Control: Human Muscle

WB (Western Blot)

Host: Rabbit
Target Name: QPCT
Sample Tissue: Human MCF7 Whole Cell
Antibody Dilution: 1ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-QPCT antibody	This is a rabbit polyclonal antibody against QPCT. It was validated on Western Blot using a cell lysate as a positive control. Target Description: QPCT is responsible for the biosynthesis of pyroglutamyl peptides. QPCT 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. It also catalyzes N-terminal pyroglutamate formation. In vitro, catalyzes pyroglutamate formation of N-terminally truncated form of APP amyloid-beta peptides [Glu-3]-beta-amyloid. QPCT may be involved in the N-terminal pyroglutamate formation of several amyloid-related plaque-forming peptides. This gene encodes human pituitary glutaminyl 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 glutaminyl cyclase. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Product Categories/Family for anti-QPCT antibody	Polyclonal; Signal Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	6912618
NCBI GeneID	25797
NCBI Accession #	NP_036545
NCBI GenBank Nucleotide #	NM_012413
UniProt Accession #	Q16769
Molecular Weight	38kDa
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.