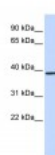




QPCT Antibody

CATALOG NUMBER: 26-343



Antibody used in WB on Human Muscle at
0.2-1 ug/ml.

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	ELISA, WB
APPLICATIONS:	QPCT antibody can be used for detection of QPCT by ELISA at 1:62500. QPCT antibody can be used for detection of QPCT by western blot at 1 ug/mL, and HRP conjugated secondary antibody should be diluted 1:50,000 - 100,000.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
POSITIVE CONTROL:	1) Cat. No. XBL-10413 - Fetal Skeletal Muscle Tissue Lysate
PREDICTED MOLECULAR WEIGHT:	38 kDa
IMMUNOGEN:	Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human QPCT.
HOST SPECIES:	Rabbit

Properties

PURIFICATION:	Antibody is purified by peptide affinity chromatography method.
PHYSICAL STATE:	Lyophilized
BUFFER:	Antibody is lyophilized in PBS buffer with 2% sucrose. Add 50 uL of distilled water. Final antibody concentration is 1 mg/mL.
CONCENTRATION:	1 mg/ml
STORAGE CONDITIONS:	For short periods of storage (days) store at 4°C. For longer periods of storage, store QPCT antibody at -20°C. As with any antibody avoid repeat freeze-thaw cycles.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	QPCT, GCT, QC, sQC
ACCESSION NO.:	NP_036545
PROTEIN GI NO.:	6912618

OFFICIAL SYMBOL: QPCT

GENE ID: 25797

Background

BACKGROUND: QPCT is responsible for the biosynthesis of pyroglutamyl peptides. QPCT has a bias against acidic and tryptophan residues adjacent to the N-terminal glutamyl 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 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. 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.

REFERENCES: 1) Cynis, H., (2008) J. Mol. Biol. 379 (5), 966-980.

FOR RESEARCH USE ONLY

December 12, 2016