ProSci

prosci-inc.com

HIGH PERFORMANCE ANTIBODIES ... AND MORE

ProSci Incorporated
12170 Flint Place
Poway, CA 92064

Toll Free: +1 (888) 513 9525
Local: +1 (858) 513 2638
Fax: +1 (858) 513 2692

techsupport@prosci-inc.com

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

FOR RESEARCH USE ONLY

December 12, 2016