

QPCT polyclonal antibody

Catalog: BS8375

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

QPCT (glutaminy-peptide cyclotransferase) is a 361 amino acid protein that belongs to the glutaminy-peptide cyclotransferase family. QPCT is responsible for the presence of pyroglutamyl residues in many neuroendocrine peptides. QPCT binds one zinc ion per subunit and has a bias against acidic and tryptophan residues adjacent to the N-terminal glutaminy residue. The human QPCT gene shares 86% overall sequence identity with the bovine homolog. QPCT contains an N-terminal signal peptide region, several glycosylation and phosphorylation sites and two cysteine residues conserved between the bovine and human enzymes. Existing as two alternatively spliced isoforms, the QPCT gene is conserved in chimpanzee, dog, cow, mouse, rat, chicken, fruit fly, mosquito, *M. grisea* and *N. crassa*, and maps to human chromosome 2p22.2.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 41 kDa

Swiss-Prot:

Q16769

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:2000

IF: 1:50~1:200

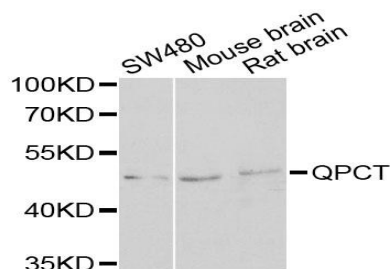
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

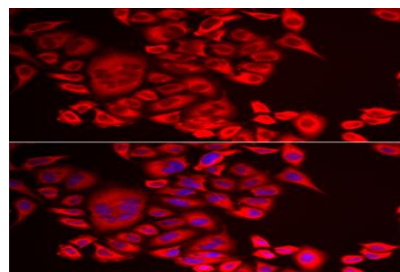
Specificity:

QPCT polyclonal antibody detects endogenous levels of QPCT protein.

DATA:



Western blot analysis of extracts of various cell lines, using QPCT antibody.



Immunofluorescence analysis of MCF-7 cells using QPCT antibody.

Note:

For research use only, not for use in diagnostic procedure.

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