

QPCT rabbit pAb

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|------------------------------|---|
| Catalog No : | YT7298 |
| Reactivity : | Human;Mouse |
| Applications : | WB;IHC |
| Target : | QPCT |
| Gene Name : | QPCT |
| Protein Name : | QPCT |
| Human Gene Id : | 25797 |
| Human Swiss Prot No : | Q16769 |
| Mouse Gene Id : | 70536 |
| Mouse Swiss Prot No : | Q9CYK2 |
| Immunogen : | Synthesized peptide derived from human QPCT AA range: 233-283 |
| Specificity : | This antibody detects endogenous levels of QPCT at Human/Mouse |
| Formulation : | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Source : | Polyclonal, Rabbit,IgG |
| Dilution : | WB 1:500-2000;IHC 1:50-300 |
| Purification : | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Concentration : | 1 mg/ml |
| Storage Stability : | -15°C to -25°C/1 year(Do not lower than -25°C) |

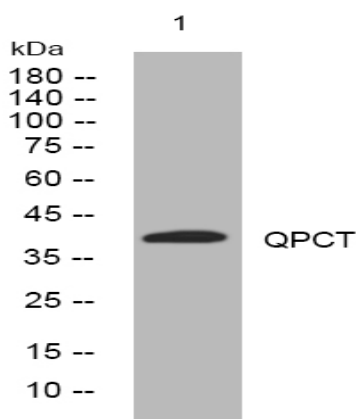
Molecularweight : 40kD

Background : 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. [provided by RefSeq, Jul 2008],

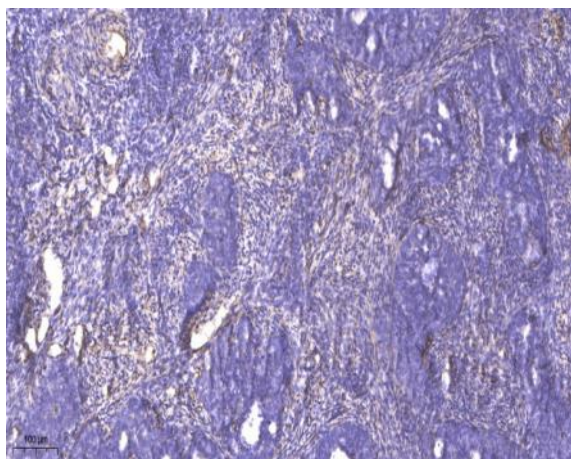
Function : catalytic activity:L-glutaminyl-peptide = 5-oxoprolyl-peptide + NH(3).,cofactor:Binds 1 zinc ion per subunit.,function:Responsible for the biosynthesis of pyroglutamyl peptides. Has a bias against acidic and tryptophan residues adjacent to the N-terminal glutaminyl residue and a lack of importance of chain length after the second residue. 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. May be involved in the N-terminal pyroglutamate formation of several amyloid-related plaque-forming peptides.,similarity:Belongs to the glutaminyl-peptide cyclotransferase family.,

Subcellular Location : Secreted .

Products Images



Western blot analysis of lysates from KB cells, primary antibody was diluted at 1:1000, 4° over night



Immunohistochemical analysis of paraffin-embedded human cervical carcinoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).