Best Tools for immunology Research

QPCT rabbit pAb

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 .

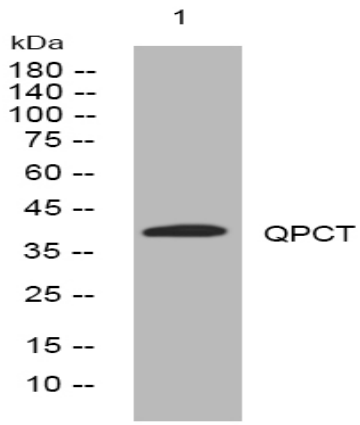
Sort : 13205

No4 : 1

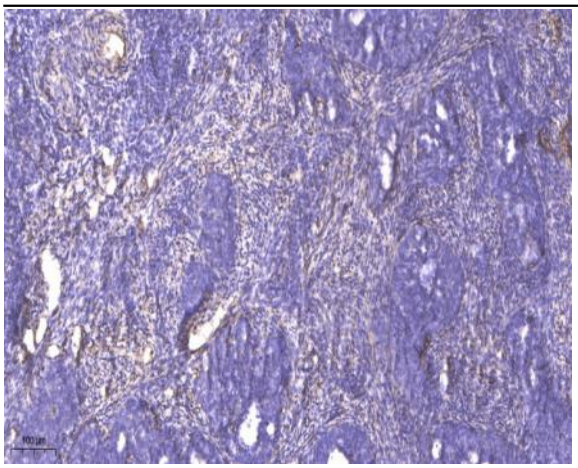
Host : Rabbit

Modifications : Unmodified

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).