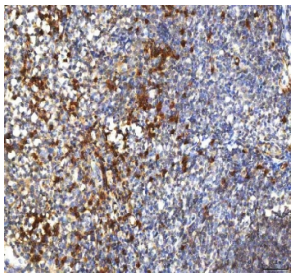
PCPE1 Antibody / Procollagen C-endopeptidase enhancer 1 (RQ8742)

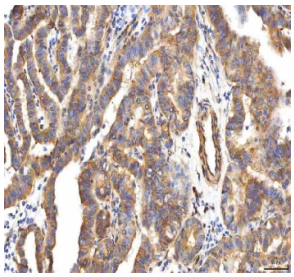
Catalog No.	Formulation	Size
RQ8742	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

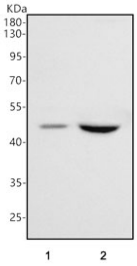
Availability	1-3 days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity chromatography
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q15113
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Flow Cytometry : 1-3ug/million cells ELISA : 0.1-0.5ug/ml
Limitations	This PCPE1 antibody is available for research use only.



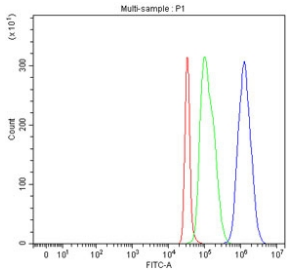
IHC staining of FFPE human tonsil tissue with PCPE1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human thyroid papillary carcinoma tissue with PCPE1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) HeLa and 2) SH-SY5Y cell lysate with PCPE1 antibody. Predicted molecular weight ~48 kDa.



Flow cytometry testing of fixed human SH-SY5Y cells with PCPE1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= PCPE1 antibody.

Description

Procollagen C-endopeptidase enhancer 1 is an enzyme that in humans is encoded by the PCOLCE gene. Fibrillar collagen types I-III are synthesized as precursor molecules known as procollagens. These precursors contain amino- and carboxyl-terminal peptide extensions known as N- and C-propeptides, respectively, which are cleaved, upon secretion of procollagen from the cell, to yield the mature triple helical, highly structured fibrils. This gene encodes a glycoprotein which binds and drives the enzymatic cleavage of type I procollagen and heightens C-proteinase activity.

Application Notes

Optimal dilution of the PCPE1 antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (amino acids R162-D449) was used as the immunogen for the PCPE1 antibody.

Storage

After reconstitution, the PCPE1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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