

PGCP Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP59421

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q9Y646
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51888

Additional Information

Gene ID	10404
Other Names	Carboxypeptidase Q, 3.4.17.-, Lysosomal dipeptidase, Plasma glutamate carboxypeptidase, CPQ, LCH1, PGCP
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:50-200,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	CPQ
Synonyms	LCH1, PGCP
Function	Carboxypeptidase that may play an important role in the hydrolysis of circulating peptides. Catalyzes the hydrolysis of dipeptides with unsubstituted terminals into amino acids. May play a role in the liberation of thyroxine hormone from its thyroglobulin (Tg) precursor.
Cellular Location	Endoplasmic reticulum. Golgi apparatus. Lysosome. Secreted. Note=Secretion is stimulated by TSH/thyroid-stimulating hormone, INS/insulin and SST/somatostatin
Tissue Location	Mainly detected in blood plasma. Abundant in placenta and kidney. Present at low level in muscles, liver and skin fibroblasts. Not detected in brain or white blood cells (at protein level).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.