10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PGCP antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI12901

Product Information

Application	WB
Primary Accession	Q9Y646
Other Accession	NM_016134, NP_057218
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Chicken, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51888

Additional Information

Gene ID	10404
Alias Symbol	LDP, PGCP
Other Names	Carboxypeptidase Q, 3.4.17.-, Lysosomal dipeptidase, Plasma glutamate carboxypeptidase, CPQ, LCH1, PGCP
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-PGCP antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	PGCP antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

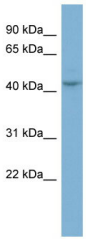
Name	CPQ
Synonyms	LCH1, PGCP
Function	Carboxypeptidase that may play an important role in the hydrolysis of circulating peptides. Catalyzes the hydrolysis of dipeptides with unsubstituted terminals into amino acids. May play a role in the liberation of thyroxine hormone from its thyroglobulin (Tg) precursor.
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).

References

Barinka,C.,(2004)Eur.J.Biochem.271(13),2782-2790ReconstitutionandStorage:Forshorttermuse,storeat2-8Cupto1week.Forlongtermstorage,storeat-20Cinsmallaliquotstopreventfreeze-thawcycles.

Images



WB Suggested Anti-PGCP Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:62500
Positive Control: NCI-H226 cell lysate

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