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PGCP antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12901

Specification

PGCP antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	Q9Y646
Other Accession	NM_016134, NP_057218
Reactivity	**Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog**
Predicted	**Human, Mouse, Rat, Chicken, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**52kDa KDa**

PGCP antibody - N-terminal region - 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.

PGCP antibody - N-terminal region - 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

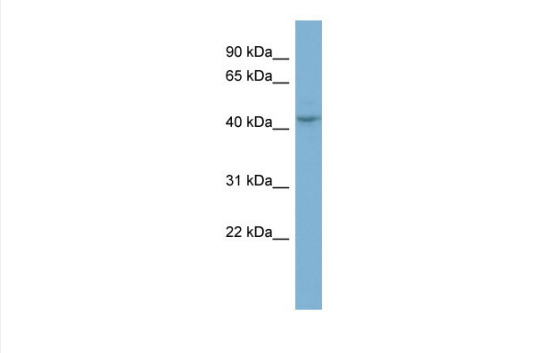
Tissue Location
Mainly detected in blood plasma. Abundant in placenta and kidney. Present at low level in muscles, liver and skin fibroblasts. Not detected in brain or white blood cells (at protein level).

PGCP antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PGCP antibody - N-terminal region - Images



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

PGCP antibody - N-terminal region - References

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