



# PGCP Rabbit pAb

|                                    |                                                                                                                                                                                                                                                                                 |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>                  | YP-Ab-18879                                                                                                                                                                                                                                                                     |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                             |
| <b>Reactivity</b>                  | Human,Mouse,Rat                                                                                                                                                                                                                                                                 |
| <b>Applications</b>                | WB                                                                                                                                                                                                                                                                              |
| <b>Gene Name</b>                   | CPQ LCH1 PGCP                                                                                                                                                                                                                                                                   |
| <b>Immunogen</b>                   | Synthesized peptide derived from human PGCP                                                                                                                                                                                                                                     |
| <b>Specificity</b>                 | This antibody detects endogenous levels of PGCP at Human, Mouse,Rat                                                                                                                                                                                                             |
| <b>Formulation</b>                 | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                         |
| <b>Source</b>                      | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                          |
| <b>Purification</b>                | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                           |
| <b>Dilution</b>                    | WB 1:500-2000                                                                                                                                                                                                                                                                   |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                         |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                            |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                                                                    |
| <b>Synonyms</b>                    | Plasma glutamate carboxypeptidase;Lysosomal dipeptidase;LCH1;EC:3.4.17.-; CPQ;CPQ LCH1 PGCP;Carboxypeptidase Q (Lysosomal dipeptidase) (Plasma glutamate carboxypeptidase)                                                                                                      |
| <b>Observed Band</b>               | 65-70 kDa                                                                                                                                                                                                                                                                       |
| <b>Calculated Molecular Weight</b> | 472 aa, 52 kDa                                                                                                                                                                                                                                                                  |
| <b>Cell Pathway</b>                | Endoplasmic reticulum . Golgi apparatus . Lysosome . Secreted . Secretion is stimulated by TSH/thyroid-stimulating hormone, INS/insulin and SST/somatostatin. .                                                                                                                 |
| <b>Tissue Specificity</b>          | 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).                                                                                   |
| <b>Function</b>                    | 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. |
| <b>Background</b>                  |                                                                                                                                                                                                                                                                                 |

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**