

## Datasheet for ABIN1423300 **anti-CPQ antibody (HRP)**



[Go to Product page](#)

### Overview

|              |                                                                                    |
|--------------|------------------------------------------------------------------------------------|
| Quantity:    | 100 µL                                                                             |
| Target:      | CPQ                                                                                |
| Reactivity:  | Mouse, Human, Rat                                                                  |
| Host:        | Rabbit                                                                             |
| Clonality:   | Polyclonal                                                                         |
| Conjugate:   | This CPQ antibody is conjugated to HRP                                             |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

### Product Details

|                   |                                                          |
|-------------------|----------------------------------------------------------|
| Immunogen:        | KLH conjugated synthetic peptide derived from human PGCP |
| Isotype:          | IgG                                                      |
| Cross-Reactivity: | Human, Mouse, Rat                                        |
| Purification:     | Purified by Protein A.                                   |

### Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | CPQ                                                                                                                                                                                                                                                                                                                                                              |
| Alternative Name: | PGCP ( <a href="#">CPQ Products</a> )                                                                                                                                                                                                                                                                                                                            |
| Background:       | <p>Synonyms: Plasma glutamate carboxypeptidase, CBPQ_HUMAN.</p> <p>Background: PGCP is a 472 amino acid secreted protein that is primarily detected in blood plasma. PGCP is a carboxypeptidase that potentially is involved in the hydrolysis of circulating peptides. Due to its upregulation in hepatocellular carcinoma (HCC), it is suspected that PGCP</p> |

## Target Details

may be a potential serological marker for HCC. PGCP is a member of the Peptidase M28 family of proteins, which also includes PSM (prostate-specific membrane antigen), metallopeptidases and aminopeptidases. The gene encoding PGCP maps to chromosome 8, which is made up of nearly 146 million bases and encodes about 800 genes. Translocation of portions of chromosome 8 with amplifications of the c-Myc gene are found in some leukemias and lymphomas, and are typically associated with a poor prognosis. In humans, PGCP is found principally in blood plasma. It is a Carboxypeptidase that may play an important role in the hydrolysis of circulating peptides.

Gene ID: 10404

## Application Details

Application Notes: WB 1:300-5000  
IHC-P 1:200-400

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling Advice: Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months