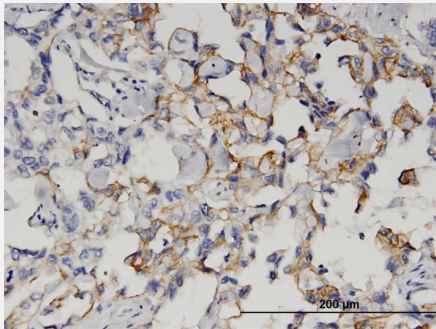


# QPCT monoclonal antibody (M02), clone 3G2

Catalog # H00025797-M02

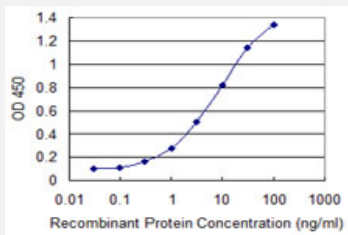
Size 100 ug

## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to QPCT on formalin-fixed paraffin-embedded human breast cancer. [antibody concentration 3 ug/ml]



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged QPCT is 0.1 ng/ml as a capture antibody.

## Specification

|                     |                                                                                                                   |
|---------------------|-------------------------------------------------------------------------------------------------------------------|
| Product Description | Mouse monoclonal antibody raised against a partial recombinant QPCT.                                              |
| Immunogen           | QPCT (NP_036545, 262 a.a. ~ 359 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| Sequence            | PNSARWFERLQAIEHELHELGLLKDHSLEGRYFQNYSGGVIQDDHIPFLRRGVPVLHLIPSPFPEV<br>WHTMDDNEENLDESTIDNLNKILQVFVLEYL             |
| Host                | Mouse                                                                                                             |
| Reactivity          | Human                                                                                                             |

|                               |                                                                          |
|-------------------------------|--------------------------------------------------------------------------|
| Interspecies Antigen Sequence | Mouse (82); Rat (69)                                                     |
| Isotype                       | IgG2b Kappa                                                              |
| Quality Control Testing       | Antibody Reactive Against Recombinant Protein.                           |
| Storage Buffer                | In 1x PBS, pH 7.4                                                        |
| Storage Instruction           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

## Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to QPCT on formalin-fixed paraffin-embedded human breast cancer. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged QPCT is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — QPCT

|                     |                                   |
|---------------------|-----------------------------------|
| Entrez GeneID       | <a href="#">25797</a>             |
| GeneBank Accession# | <a href="#">NM_012413</a>         |
| Protein Accession#  | <a href="#">NP_036545</a>         |
| Gene Name           | QPCT                              |
| Gene Alias          | GCT, QC                           |
| Gene Description    | glutamyl-peptide cyclotransferase |
| Omim ID             | <a href="#">607065</a>            |
| Gene Ontology       | <a href="#">Hyperlink</a>         |

**Gene Summary**

This gene encodes human pituitary glutaminy cyclase, which is responsible for the presence of pyroglutamyl residues in many neuroendocrine peptides. The amino acid sequence of this enzyme is 86% identical to that of bovine glutaminy cyclase. [provided by RefSeq]

**Other Designations**

glutaminy cyclase

## Disease

- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Osteoporosis](#)