



# Rabbit Anti-Human CGA Monoclonal Antibody, clone CQ7191 (CABT-Z245R)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                              |                                                                                             |
|------------------------------|---------------------------------------------------------------------------------------------|
| <b>Immunogen</b>             | Synthetic peptide corresponding to residues within aa1-100 of hCG was used as an immunogen. |
| <b>Isotype</b>               | IgG                                                                                         |
| <b>Source/Host</b>           | Rabbit                                                                                      |
| <b>Species Reactivity</b>    | Human                                                                                       |
| <b>Clone</b>                 | CQ7191                                                                                      |
| <b>Purification</b>          | ProA affinity purified IgG.                                                                 |
| <b>Conjugate</b>             | Unconjugated                                                                                |
| <b>Applications</b>          | IHC-P<br>Recommended concentration:<br>IHC-P: 1:100-1:200                                   |
| <b>Molecular Weight</b>      | 13 kDa                                                                                      |
| <b>Cellular Localization</b> | Cytoplasm                                                                                   |
| <b>Positive Control</b>      | Placenta                                                                                    |
| <b>Format</b>                | Liquid                                                                                      |
| <b>Concentration</b>         | Lot specific                                                                                |
| <b>Size</b>                  | 100 µl                                                                                      |

|                     |                                                       |
|---------------------|-------------------------------------------------------|
| <b>Buffer</b>       | PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%. |
| <b>Preservative</b> | 0.01% Sodium azide                                    |
| <b>Storage</b>      | Store at -20 °C. Avoid freeze/thaw cycles.            |
| <b>Ship</b>         | Wet ice                                               |

## BACKGROUND

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Introduction</b> | Human chorionic gonadotropin antibody (hCG) is a glycoprotein hormone synthesized in syncytiotrophoblastic cells of placenta and in certain trophoblastic tumors. The hormone-specific alpha chains have molecular weights of 13 kDa. HCG is found in moles and choriocarcinoma, chorionic components of germ cell tumours, and syncytiotrophoblast like cells in seminoma/dysgerminoma and embryonal carcinoma. In diagnostic pathology, hCG is a useful marker for classification of germ cell tumours, identification of extragonadal germ cell tumours. |
| <b>Keywords</b>     | CGA; glycoprotein hormones, alpha polypeptide; glycoprotein hormones alpha chain; FSH-alpha; LSH-alpha; TSH-alpha; anterior pituitary glycoprotein hormones common subunit alpha; follicle-stimulating hormone alpha chain; follitropin alpha chain; luteinizing hormone alpha chain                                                                                                                                                                                                                                                                        |

## GENE INFORMATION

|                       |                        |
|-----------------------|------------------------|
| <b>Gene Name</b>      | CGA                    |
| <b>Entrez Gene ID</b> | <a href="#">1081</a>   |
| <b>UniProt ID</b>     | <a href="#">P01215</a> |