

## Anti-CGB antibody

|                 |                                                         |
|-----------------|---------------------------------------------------------|
| <b>Cat. No.</b> | ml222105                                                |
| <b>Package</b>  | 25 µl/100 µl/200 µl                                     |
| <b>Storage</b>  | -20°C, pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol |

### Product overview

|                     |                                     |
|---------------------|-------------------------------------|
| <b>Description</b>  | Anti-CGB rabbit polyclonal antibody |
| <b>Applications</b> | ELISA, WB, IHC                      |
| <b>Immunogen</b>    | Fusion protein of human CGB         |
| <b>Reactivity</b>   | Human                               |
| <b>Content</b>      | 0.4 mg/ml                           |
| <b>Host species</b> | Rabbit                              |
| <b>Ig class</b>     | Immunogen-specific rabbit IgG       |
| <b>Purification</b> | Antigen affinity purification       |

### Target information

|                  |                                          |
|------------------|------------------------------------------|
| <b>Symbol</b>    | CGB                                      |
| <b>Full name</b> | chorionic gonadotropin, beta polypeptide |

**Synonyms** CGB3; CGB5; CGB7; CGB8; hCGB

**Swissprot** P01233

#### Target Background

This gene is a member of the glycoprotein hormone beta chain family and encodes the beta 3 subunit of chorionic gonadotropin (CG). Glycoprotein hormones are heterodimers consisting of a common alpha subunit and an unique beta subunit which confers biological specificity. CG is produced by the trophoblastic cells of the placenta and stimulates the ovaries to synthesize the steroids that are essential for the maintenance of pregnancy. The beta subunit of CG is encoded by 6 genes which are arranged in tandem and inverted pairs on chromosome 19q13.3 and contiguous with the luteinizing hormone beta subunit gene.

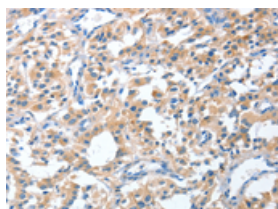
## Applications

### Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human thyroid cancer

Recommended dilution: 25-100

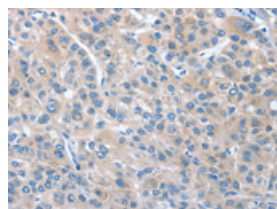


The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ml222105(CGB Antibody) at dilution 1/40, on the right is treated with fusion protein. (Original magnification: ×200)

Predicted cell location: Cytoplasm

Positive control: Human liver cancer

Recommended dilution: 25-100



The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using ml222105(CGB Antibody) at dilution 1/40, on the right is treated with fusion protein. (Original magnification: ×200)

### Western blotting

Predicted band size: 18 kDa

Positive control: Human placenta tissue

Recommended dilution: 200-1000

Gel: 10%SDS-PAGE

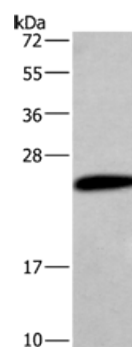
Lysate: 40 µg

Lane: Human placenta tissue

Primary antibody: ml222105(CGB Antibody) at dilution 1/454

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 5 minutes



## ELISA

Recommended dilution: 1000-2000

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