

## Anti-GNB5 antibody

|                 |   |
|-----------------|---|
| <b>Cat. No.</b> | ml220653  |
| <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-GNB5 rabbit polyclonal antibody |
| <b>Applications</b> | ELISA, WB, IHC                       |
| <b>Immunogen</b>    | Fusion protein of human GNB5         |
| <b>Reactivity</b>   | Human, Mouse, Rat                    |
| <b>Content</b>      | 0.2 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>    | GNB5   |
| <b>Full name</b> | guanine nucleotide binding protein (G protein), beta 5 |

|                  |        |
|------------------|--------|
| <b>Synonyms</b>  | GB5    |
| <b>Swissprot</b> | O14775 |

#### Target Background

Heterotrimeric guanine nucleotide-binding proteins (G proteins), which integrate signals between receptors and effector proteins, are composed of an alpha, a beta, and a gamma subunit. These subunits are encoded by families of related genes. This gene encodes a beta subunit. Beta subunits are important regulators of alpha subunits, as well as of certain signal transduction receptors and effectors. Alternatively spliced transcript variants encoding different isoforms exist.

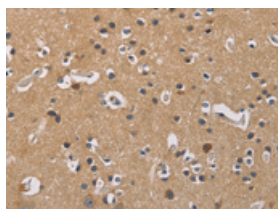
## Applications

### Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human brain

Recommended dilution: 25-100

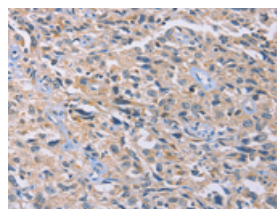


The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using ml220653(GNB5 Antibody) at dilution 1/20, on the right is treated with fusion protein. (Original magnification: ×200)

Predicted cell location: Cytoplasm

Positive control: Human esophagus cancer

Recommended dilution: 25-100



The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using ml220653(GNB5 Antibody) at dilution 1/20, on the right is treated with fusion protein. (Original magnification: ×200)

### Western blotting

Predicted band size: 44 kDa

Positive control: Human fetal brain and mouse heart tissue

Recommended dilution: 200-1000

Gel: 15%SDS-PAGE

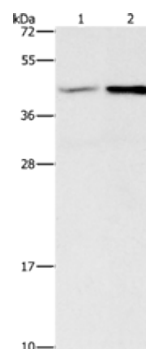
Lysate: 40  $\mu$ g

Lane 1-2: Human fetal brain tissue, mouse heart tissue

Primary antibody: ml220653(GNB5 Antibody) at dilution 1/550

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

Exposure time: 1 second



## ELISA

Recommended dilution: 1000-2000

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