

## Anti-CANX antibody

|                 |                                                         |
|-----------------|---------------------------------------------------------|
| <b>Cat. No.</b> | ml222022                                                |
| <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-CANX rabbit polyclonal antibody |
| <b>Applications</b> | ELISA, WB, IHC                       |
| <b>Immunogen</b>    | Fusion protein of human CANX         |
| <b>Reactivity</b>   | Human, Mouse, Rat                    |
| <b>Content</b>      | 0.7 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>    | CANX     |
| <b>Full name</b> | calnexin |

**Synonyms** CNX; P90; IP90

**Swissprot** P27824

#### **Target Background**

This gene encodes a member of the calnexin family of molecular chaperones. The encoded protein is a calcium-binding, endoplasmic reticulum (ER)-associated protein that interacts transiently with newly synthesized N-linked glycoproteins, facilitating protein folding and assembly. It may also play a central role in the quality control of protein folding by retaining incorrectly folded protein subunits within the ER for degradation. Alternatively spliced transcript variants encoding the same protein have been described.

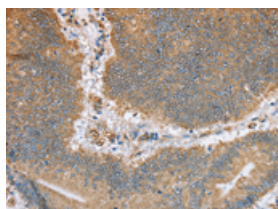
## Applications

### Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human colon cancer

Recommended dilution: 50-200

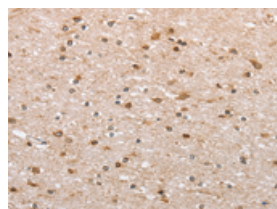


The image on the left is immunohistochemistry of paraffin-embedded Human colon cancer tissue using ml222022(CANX Antibody) at dilution 1/50, on the right is treated with fusion protein. (Original magnification:  $\times 200$ )

Predicted cell location: Cytoplasm

Positive control: Human brain

Recommended dilution: 50-200



The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using ml222022(CANX Antibody) at dilution 1/50, on the right is treated with fusion protein. (Original magnification:  $\times 200$ )

### Western blotting

Predicted band size: 68 kDa

Positive control: Hela and 231 cells, human placenta and carcinoma of sigmoid tissue

Recommended dilution: 500-2000

Gel: 8%SDS-PAGE

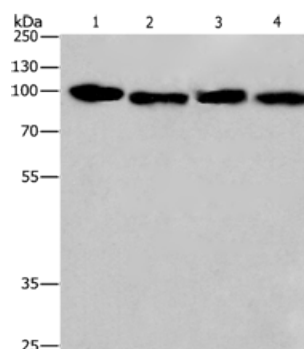
Lysate: 40 µg

Lane 1-4: Hela cells, 231 cells, human placenta tissue, Human carcinoma of sigmoid tissue

Primary antibody: ml222022(CANX Antibody) at dilution 1/615

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

Exposure time: 20 seconds



## ELISA

Recommended dilution: 2000-5000

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