

## Anti-IMPDH2 antibody

|                 |   |
|-----------------|---|
| <b>Cat. No.</b> | ml122546  |
| <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-IMPDH2 rabbit polyclonal antibody |
| <b>Applications</b> | ELISA, WB, IHC                         |
| <b>Immunogen</b>    | Fusion protein of human IMPDH2         |
| <b>Reactivity</b>   | Human, Mouse, Rat                      |
| <b>Content</b>      | 0.5 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>    | IMPDH2   |
| <b>Full name</b> | IMP (inosine 5'-monophosphate) dehydrogenase 2 |
| <b>Synonyms</b>  | IMPD2; IMPDH-II                                |
| <b>Swissprot</b> | P12268   |

### Target Background

This gene encodes the rate-limiting enzyme in the de novo guanine nucleotide biosynthesis. It is thus involved in maintaining cellular guanine deoxy- and ribonucleotide pools needed for DNA and RNA synthesis. The encoded protein catalyzes the NAD-dependent oxidation of inosine-5'-monophosphate into xanthine-5'-monophosphate, which is then converted into guanosine-5'-monophosphate. This gene is up-regulated in some neoplasms, suggesting it may play a role in malignant transformation.

订购热线: 4008-898-798

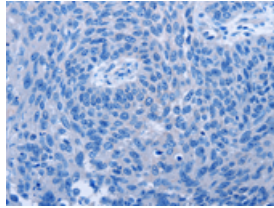
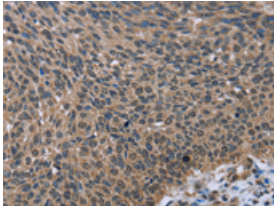
### Applications

#### Immunohistochemistry

Predicted cell location: Cytoplasm or Nucleus

Positive control: Human lung cancer

Recommended dilution: 50-200

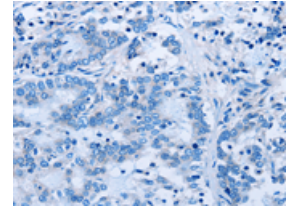
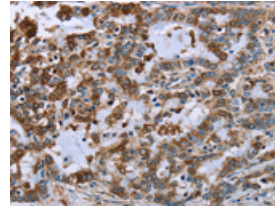


The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using ml122546(IMP2H2 Antibody) at dilution 1/60, on the right is treated with fusion protein. (Original magnification:  $\times 200$ )

Predicted cell location: Cytoplasm or Nucleus

Positive control: Human liver cancer

Recommended dilution: 50-200



The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using ml122546(IMP2H2 Antibody) at dilution 1/60, on the right is treated with fusion protein. (Original magnification:  $\times 200$ )

#### Western blotting

Predicted band size: 56 kDa

Positive control: A549 cells

Recommended dilution: 500-2000

Gel: 8%SDS-PAGE

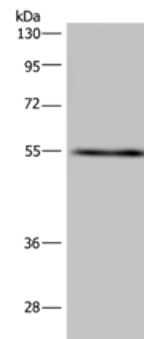
Lysate: 40  $\mu$ g

Lane: A549 cells

Primary antibody: ml122546(IMP2H2 Antibody) at dilution 1/650

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

Exposure time: 3 minutes



#### ELISA

Recommended dilution: 2000-5000

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