

## Anti-HMBOX1 antibody

|                 |                                                         |
|-----------------|---------------------------------------------------------|
| <b>Cat. No.</b> | ml225719                                                |
| <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-HMBOX1 rabbit polyclonal antibody |
| <b>Applications</b> | ELISA, WB, IHC                         |
| <b>Immunogen</b>    | Fusion protein of human HMBOX1         |
| <b>Reactivity</b>   | Human, Mouse                           |
| <b>Content</b>      | 0.78 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>    | HMBOX1                |
| <b>Full name</b> | homeobox containing 1 |

**Synonyms** HOT1; PBHNF; HNF1LA

**Swissprot** Q6NT76

#### **Target Background**

Transcription factor. Ubiquitous. Detected in pancreas, brain, spleen, placenta, prostate, thymus, liver, heart, bone marrow, skeletal muscle, stomach, uterus, testis, kidney, ovary, and colon.

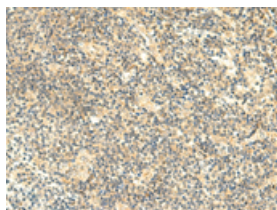
## Applications

### Immunohistochemistry

Predicted cell location: Cytoplasm or Nucleus

Positive control: Human tonsil

Recommended dilution: 40-200

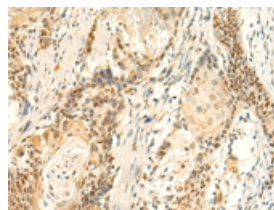


The image on the left is immunohistochemistry of paraffin-embedded Human tonsil tissue using ml225719(HMBOX1 Antibody) at dilution 1/50, on the right is treated with fusion protein. (Original magnification:  $\times 200$ )

Predicted cell location: Cytoplasm or Nucleus

Positive control: Human esophagus cancer

Recommended dilution: 40-200



The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using ml225719(HMBOX1 Antibody) at dilution 1/50, on the right is treated with fusion protein. (Original magnification:  $\times 200$ )

### Western blotting

Predicted band size: 47 kDa

Positive control: Jurkat cell lysate

Recommended dilution: 500-2000

Gel: 8%SDS-PAGE

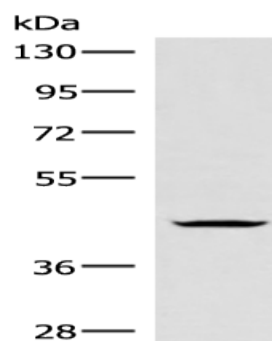
Lysate: 40  $\mu$ g

Lane: Jurkat cell lysate

Primary antibody: ml225719(HMBOX1 Antibody) at dilution 1/300

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

Exposure time: 20 seconds



## ELISA

Recommended dilution: 5000-10000

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