# Anti-BUB1 antibody

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| **Cat. No.** | ml222004 |
| **Package** | 25 µl/100 µl/200 µl |
| **Storage** | -20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol |

**Product overview**

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| **Description** | Anti-BUB1 rabbit polyclonal antibody |
| **Applications** | ELISA, IHC |
| **Immunogen** | Fusion protein of human BUB1 |
| **Reactivity** | Human |
| **Content** | 0.2 mg/ml |
| **Host species** | Rabbit |
| **Ig class** | Immunogen-specific rabbit IgG |
| **Purification** | Antigen affinity purification |

**Target information**

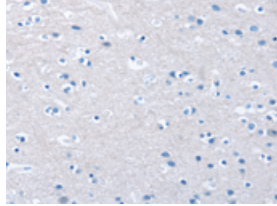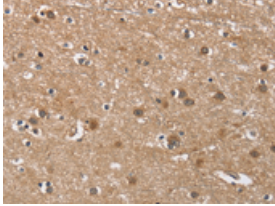| | |
|---|---|
| **Symbol** | BUB1 |
| **Full name** | BUB1 mitotic checkpoint serine/threonine kinase |
| **Synonyms** | BUB1A; BUB1L; hBUB1 |
| **Swissprot** | O43683 |

**Target Background**

This gene encodes a serine/threonine-protein kinase that play a central role in mitosis. The encoded protein functions in part by phosphorylating members of the mitotic checkpoint complex and activating the spindle checkpoint. This protein also plays a role in inhibiting the activation of the anaphase promoting complex/cyclosome. This protein may also function in the DNA damage response. Mutations in this gene have been associated with aneuploidy and several forms of cancer. Alternate splicing results in multiple transcript variants.
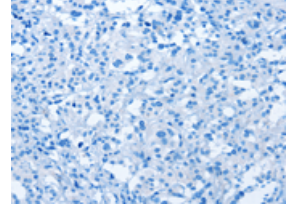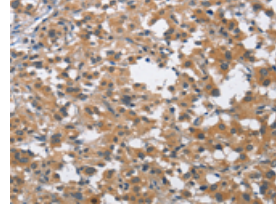
## Applications

### Immunohistochemistry

Predicted cell location: Nucleus and Cytoplasm

Positive control: Human brain

Recommended dilution: 50-200



The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using ml222004(BUB1 Antibody) at dilution 1/60, on the right is treated with fusion protein. (Original magnification: ×200)

### ELISA

Recommended dilution: 2000-5000

Predicted cell location: Nucleus and Cytoplasm

Positive control: Human thyroid cancer

Recommended dilution: 50-200



The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ml222004(BUB1 Antibody) at dilution 1/60, on the right is treated with fusion protein. (Original magnification: ×200)

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