



[Go to Product page](#)

Datasheet for ABIN1711538  
**anti-MAEA antibody (AA 171-250) (HRP)**

### Overview

|                      |   |
|----------------------|---|
| Quantity:            | 100 µL  |
| Target:              | MAEA  |
| Binding Specificity: | AA 171-250  |
| Reactivity:          | Human   |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal  |
| Conjugate:           | This MAEA antibody is conjugated to HRP   |
| Application:         | Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

### Product Details

|                       |   |
|-----------------------|---|
| Immunogen:            | KLH conjugated synthetic peptide derived from human EMP |
| Isotype:              | IgG   |
| Predicted Reactivity: | Human, Mouse, Rat, Dog, Horse, Chicken                  |
| Purification:         | Purified by Protein A.                                  |

### Target Details

|                   |  |
|-------------------|--|
| Target:           | MAEA   |
| Alternative Name: | MAEA/EMP/HLC10 ( <a href="#">MAEA Products</a> )   |
| Background:       | Synonyms: 1110030D19Rik, Cell proliferation inducing gene 5 protein, Cell proliferation-inducing |

## Target Details

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gene 5 protein, EMP, Erythroblast macrophage protein, HLC 10, HLC-10, HLC10, Human lung cancer oncogene 10 protein, Lung cancer related protein 10, lung cancer-related protein 10, Macrophage erythroblast attacher, MAEA, MAEA\_HUMAN, MGC93683, PIG5, proliferation-inducing gene 5.

Background: Emp is a 396 amino acid ubiquitously expressed adhesion protein. Expressed as 5 alternatively spliced isoforms, Emp contains one CTLH domain and one LisH domain. Emp can form a complex with F-actin, which is involved regulating actin distribution in erythroblasts and macrophages. Considered to assist with cell division and nuclear architecture, Emp is localized with condensed chromatin at prophase, nuclear spindle poles at metaphase and in the contractile ring during telophase and cytokinesis. Although the exact function of Emp is unknown, Emp is suggested to be involvement in erythroblast-macrophage cell attachment, terminal maturation and enucleation of erythroid cells, and inhibiting apoptosis of erythroblasts.

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Gene ID: 10296

## Application Details

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Application Notes: WB 1:300-5000  
IHC-P 1:200-400  
IHC-F 1:100-500

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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Handling Advice: Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.

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Storage: -20 °C

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Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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## Handling

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Expiry Date: 12 months