

# HCE Rabbit mAb

Catalog # AP76520

## Product Information

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|--------------------------|------------------------|
| <b>Application</b>       | WB, IHC-P, IP          |
| <b>Primary Accession</b> | <a href="#">O60942</a> |
| <b>Reactivity</b>        | Rat, Human, Mouse      |
| <b>Host</b>              | Rabbit                 |
| <b>Clonality</b>         | Monoclonal Antibody    |
| <b>Isotype</b>           | IgG                    |
| <b>Conjugate</b>         | Unconjugated           |
| <b>Purification</b>      | Affinity Purified      |
| <b>Calculated MW</b>     | 68557                  |

## Additional Information

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| <b>Gene ID</b>     | 8732                                                                                            |
| <b>Other Names</b> | RNGTT                                                                                           |
| <b>Dilution</b>    | WB~~1:1000 IHC-P~~N/A IP~~N/A                                                                   |
| <b>Format</b>      | Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA. |
| <b>Storage</b>     | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.        |

## Protein Information

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| <b>Name</b>              | RNGTT                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Synonyms</b>          | CAP1A                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Function</b>          | Bifunctional mRNA-capping enzyme exhibiting RNA 5'- triphosphate monophosphatase activity in the N-terminal part and mRNA guanylyltransferase activity in the C-terminal part. Catalyzes the first two steps of cap formation: by removing the gamma-phosphate from the 5'-triphosphate end of nascent mRNA to yield a diphosphate end, and by transferring the GMP moiety of GTP to the 5'-diphosphate terminus of RNA via a covalent enzyme-GMP reaction intermediate. |
| <b>Cellular Location</b> | Nucleus.                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Tissue Location</b>   | Isoform 1 and isoform 4 (at a lesser extent) are expressed in cerebrum, cerebellum, thyroid, lung, heart, liver, kidney, spleen, large intestine, testis, skin and muscle                                                                                                                                                                                                                                                                                                |

## Background

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Bifunctional mRNA-capping enzyme exhibiting RNA 5'-triphosphatase activity in the N-terminal part and mRNA guanylyltransferase activity in the C-terminal part. Catalyzes the first two steps of cap formation: by removing the gamma-phosphate from the 5'-triphosphate end of nascent mRNA to yield a diphosphate end, and by transferring the gmp moiety of GTP to the 5'-diphosphate terminus.

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