

# HEMK1 Rabbit pAb

Catalog # AP96430

## Product Information

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| <b>Application</b>             | WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Primary Accession</b>       | <a href="#">Q9Y5R4</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Other Accession</b>         | <a href="#">Q9Y5R4</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Reactivity</b>              | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Predicted</b>               | Rat, Human, Rabbit, Chicken, Dog, Horse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Host</b>                    | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Clonality</b>               | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Calculated MW</b>           | 38231                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Physical State</b>          | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Immunogen</b>               | KLH conjugated synthetic peptide derived from human HEMK1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Epitope Specificity</b>     | 21-120/338                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Isotype</b>                 | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Purity</b>                  | affinity purified by Protein A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Buffer</b>                  | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>SIMILARITY</b>              | Belongs to the protein N5-glutamine methyltransferase family.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Important Note</b>          | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Background Descriptions</b> | HEMK1 is a chemokine receptor gene cluster and a variety of human cancer related loci on chromosome 3. Particular regions of the chromosome 3 short arm are deleted in many types of cancer cells. Key tumor suppressing genes on chromosome 3 encode apoptosis mediator RASSF1, cell migration regulator HYAL1 and angiogenesis suppressor SEMA3B. Marfan Syndrome, porphyria, von Hippel-Lindau syndrome, osteogenesis imperfecta and Charcot-Marie-Tooth Disease are a few of the numerous genetic diseases associated with chromosome 3. name change |

## Additional Information

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| <b>Gene ID</b>     | 51409                                                                                                                                                                                                              |
| <b>Other Names</b> | HEMK1_HUMAN; HEMK1; HemK methyltransferase family member 1; M.HsaHemKP; 2.1.1.297; HEMK; HemK methyltransferase 1, mitochondrial release factors N(5)-glutamine; MTRF1L release factor glutamine methyltransferase |
| <b>Dilution</b>    | WB=1:500-2000                                                                                                                                                                                                      |
| <b>Storage</b>     | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.                    |

## Protein Information

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| <b>Name</b>              | HEMK1                                                                                                                                                                                                                 |
| <b>Synonyms</b>          | HEMK                                                                                                                                                                                                                  |
| <b>Function</b>          | N5-glutamine methyltransferase responsible for the methylation of the glutamine residue in the universally conserved GGQ motif of the mitochondrial translation release factors MTRF1, MTRF1L, MRPL58/ICT1 and MTRFR. |
| <b>Cellular Location</b> | Mitochondrion.                                                                                                                                                                                                        |

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.