

# MEK5 Rabbit mAb

Catalog # AP77557

## Product Information

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|--------------------------|-----------------------------------------------|
| <b>Application</b>       | WB, IF, ICC                                   |
| <b>Primary Accession</b> | <a href="#">Q13163</a>                        |
| <b>Reactivity</b>        | Human                                         |
| <b>Host</b>              | Rabbit                                        |
| <b>Clonality</b>         | Monoclonal Antibody                           |
| <b>Isotype</b>           | IgG                                           |
| <b>Conjugate</b>         | Unconjugated                                  |
| <b>Immunogen</b>         | A synthesized peptide derived from human MEK5 |
| <b>Purification</b>      | Affinity Chromatography                       |
| <b>Calculated MW</b>     | 50112                                         |

## Additional Information

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|--------------------|----------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>     | 5607                                                                                               |
| <b>Other Names</b> | MAP2K5                                                                                             |
| <b>Dilution</b>    | WB~~1/500-1/1000 IF~~1:50~200 ICC~~N/A                                                             |
| <b>Format</b>      | Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol. |
| <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>            | MAP2K5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Synonyms</b>        | MEK5, MKK5, PRKMK5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Function</b>        | Acts as a scaffold for the formation of a ternary MAP3K2/MAP3K3-MAP3K5-MAPK7 signaling complex. Activation of this pathway appears to play a critical role in protecting cells from stress-induced apoptosis, neuronal survival and cardiac development and angiogenesis. As part of the MAPK/ERK signaling pathway, acts as a negative regulator of apoptosis in cardiomyocytes via promotion of STUB1/CHIP-mediated ubiquitination and degradation of ICER-type isoforms of CREM (By similarity). |
| <b>Tissue Location</b> | Expressed in many adult tissues. Abundant in heart and skeletal muscle                                                                                                                                                                                                                                                                                                                                                                                                                              |

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