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# MEK2 Monoclonal Antibody(2C3)

Catalog # AP63632

## Product Information

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|---|---|
| **Application** | WB |
| **Primary Accession** | P36507 |
| **Reactivity** | Human, Rat, Mouse |
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Calculated MW** | 44424 |

## Additional Information

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|---|---|
| **Gene ID** | 5605 |
| **Other Names** | MAP2K2; MEK2; MKK2; PRKMK2; Dual specificity mitogen-activated protein kinase kinase 2; MAP kinase kinase 2; MAPKK 2; ERK activator kinase 2; MAPK/ERK kinase 2; MEK 2 |
| **Dilution** | WB~~Western Blot: 1/500 - 1/2000 |
| **Format** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide. |
| **Storage Conditions** | -20℃ |

## Protein Information

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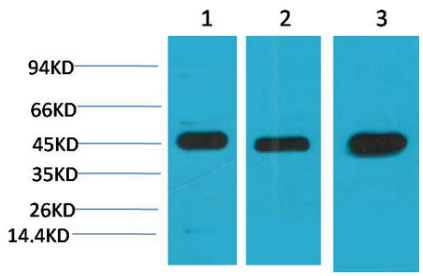
|---|---|
| **Name** | MAP2K2 |
| **Synonyms** | MEK2, MKK2, PRKMK2 |
| **Function** | Catalyzes the concomitant phosphorylation of a threonine and a tyrosine residue in a Thr-Glu-Tyr sequence located in MAP kinases. Activates the ERK1 and ERK2 MAP kinases (By similarity). Activates BRAF in a KSR1 or KSR2-dependent manner; by binding to KSR1 or KSR2 releases the inhibitory intramolecular interaction between KSR1 or KSR2 protein kinase and N-terminal domains which promotes KSR1 or KSR2-BRAF dimerization and BRAF activation (PubMed:29433126). |
| **Cellular Location** | Cytoplasm. Membrane; Peripheral membrane protein. Note=Membrane localization is probably regulated by its interaction with KSR1. |

## Background

Catalyzes the concomitant phosphorylation of a threonine and a tyrosine residue in a Thr-Glu-Tyr sequence

located in MAP kinases. Activates the ERK1 and ERK2 MAP kinases (By similarity).

## Images




Western blot analysis of 1) Hela, 2)3T3, 3) Rat Brain Tissue with MEK2 Mouse mAb diluted at 1:2,000.