

## Rabbit MEK1 Polyclonal Antibody | anti-MAP2K1 antibody

Anti-MEK1 antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                            |
|-----------|--------|-------------------|---------------------------------------------------------|
| AAA45117  | Rabbit | Human, Mouse, Rat | Immunocytochemistry, Immunohistochemistry, Western Blot |

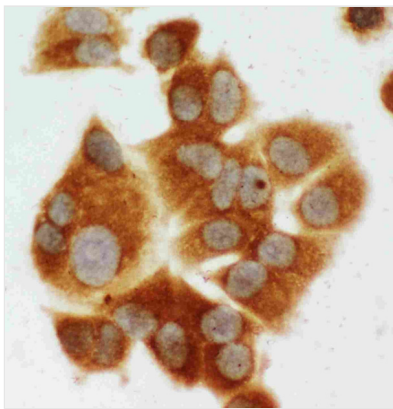
### PRODUCT SYNONYMS

MEK1; Polyclonal Antibody; Anti-MEK1 antibody; Dual specificity mitogen-activated protein kinase kinase 1(MAP kinase kinase 1/); mitogen-activated protein kinase kinase 1; Dual specificity mitogen activated protein kinase kinase 1 antibody; Dual specificity mitogen-activated protein kinase kinase 1 antibody; ERK activator kinase 1 antibody; MAP kinase kinase 1 antibody; MAP kinase/Erk kinase 1 antibody; MAP2K1 antibody; MAPK/ERK kinase 1 antibody; MAPKK 1 antibody; MAPKK1 antibody; MEK 1 antibody; Mek1 antibody; MEKK1 antibody; Mitogen activated protein kinase kinase 1 antibody; MKK 1 antibody; MKK1 antibody; MP2K1\_HUMAN antibody; PRKMK1 antibody; Protein kinase mitogen activated kinase 1(MAP kinase kinase 1) antibody; Protein kinase mitogen activated; kinase 1 antibody; anti-MAP2K1 antibody

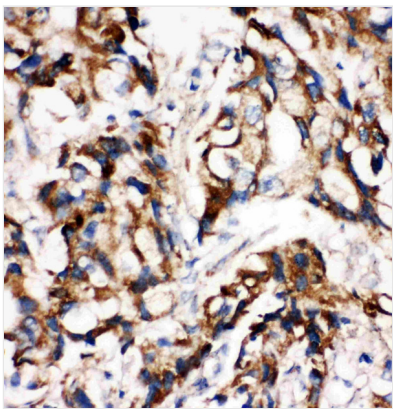
### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                                      |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                               |
| Reactivity                                       | Human, Mouse, Rat                                                                                                                                                                                    |
| Clonality                                        | Polyclonal                                                                                                                                                                                           |
| Isotype                                          | IgG                                                                                                                                                                                                  |
| Purity/Purification                              | Immunogen affinity purified.                                                                                                                                                                         |
| Form/Format                                      | Lyophilized                                                                                                                                                                                          |
| Sequence Length                                  | 393                                                                                                                                                                                                  |
| Applicable Applications for anti-MAP2K1 antibody | ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                             |
| Immunogen                                        | A synthetic peptide corresponding to a sequence at the C-terminus of human MEK1 (353-367aa KQLMVHAFIKRSDAE), identical to the related mouse and rat sequences.                                       |
| Contents                                         | Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.                                                                                                               |
| Reconstitution                                   | Add 0.2ml of distilled water will yield a concentration of 500ug/ml.                                                                                                                                 |
| Preparation and Storage                          | At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing. |

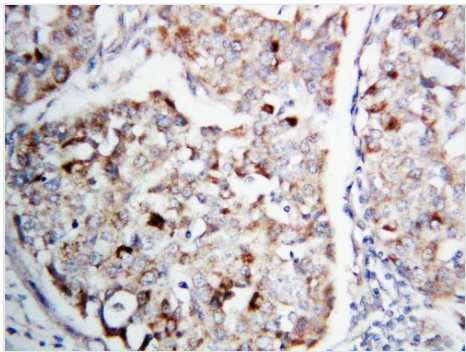
IMAGES



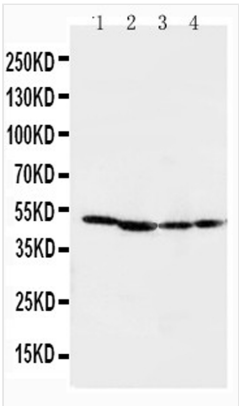
ICC (Immunocytochemistry)  
Anti-MEK1 antibody, AAA45117, ICCICC: MCF-7 Cell



IHC (Immunohistochemistry)  
Anti-MEK1 antibody, AAA45117, IHC(P)IHC(P): Human Mammary Cancer Tissue



IHC (Immunohistochemistry)  
Anti-MEK1 antibody, AAA45117, IHC(P)IHC(P): Human Lung Cancer Tissue



WB (Western Blot)  
Anti-MEK1 antibody, AAA45117, Western blottingLane 1: Rat Skeletal Muscle Tissue LysateLane 2: Rat Kidney Tissue LysateLane 3: CEM Cell LysateLane 4: COLO20 Cell Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-MAP2K1 antibody

**Description:** Rabbit IgG polyclonal antibody for Dual specificity mitogen-activated protein kinase kinase 1(MAP2K1) detection. Tested with WB, IHC-P, ICC in Human, Mouse, Rat.

**Background:** Dual specificity mitogen-activated protein kinase kinase 1 is an enzyme that in humans is encoded by the MAP2K1 gene. The protein encoded by this gene is a member of the dual specificity protein kinase family, which acts as a mitogen-activated protein(MAP) kinase kinase. MAP kinases, also known as extracellular signal-regulated kinases(ERKs), act as an integration point for multiple biochemical signals. This protein kinase lies upstream of MAP kinases and stimulates the enzymatic activity of MAP kinases upon activation by a wide variety of extra- and intracellular signals. As an essential component of the MAP kinase signal transduction pathway, this kinase is involved in many cellular processes such as proliferation, differentiation, transcription regulation and development. Rampoldi et al.(1997) localized the MAP2K1 gene to 15q22.1-q22.33.

NCBI AND UNIPROT INFORMATION

|                                  |                                                            |
|----------------------------------|------------------------------------------------------------|
| NCBI GI #                        | 400274                                                     |
| NCBI GeneID                      | 5604                                                       |
| UniProt Accession #              | Q02750                                                     |
| Molecular Weight                 | 40,764 Da                                                  |
| NCBI Official Full Name          | Dual specificity mitogen-activated protein kinase kinase 1 |
| NCBI Official Synonym Full Names | mitogen-activated protein kinase kinase 1                  |

|                               |                                                                                                                                                                                          |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI Official Symbol          | MAP2K1                                                                                                                                                                                   |
| NCBI Official Synonym Symbols | CFC3; MEK1; MKK1; MAPKK1; PRKMK1                                                                                                                                                         |
| NCBI Protein Information      | dual specificity mitogen-activated protein kinase kinase 1; MEK 1; MAPKK 1; MAPK/ERK kinase 1; ERK activator kinase 1; protein kinase, mitogen-activated, kinase 1 (MAP kinase kinase 1) |
| UniProt Protein Name          | Dual specificity mitogen-activated protein kinase kinase 1                                                                                                                               |
| UniProt Gene Name             | <b>MAP2K1</b>                                                                                                                                                                            |
| UniProt Synonym Gene Names    | MEK1; PRKMK1; MAP kinase kinase 1; MAPKK 1; MKK1; MEK 1                                                                                                                                  |
| UniProt Entry Name            | MP2K1_HUMAN                                                                                                                                                                              |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)

Online datasheet: <https://stage.aaabiotech.com/polyclonal/mek1-antibody-immunocytochemistry-immunohistochemistry-western-blot-elisa/45117>