

## Rabbit MEK1 Monoclonal Antibody | anti-MEK1 antibody

MEK1 (Phospho-S298) Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                                |
|-----------|--------|-------------------|-----------------------------------------------------------------------------|
| AAA311032 | Rabbit | Human, Mouse, Rat | Immunohistochemistry, Immunofluorescence, Immunocytochemistry, Western Blot |

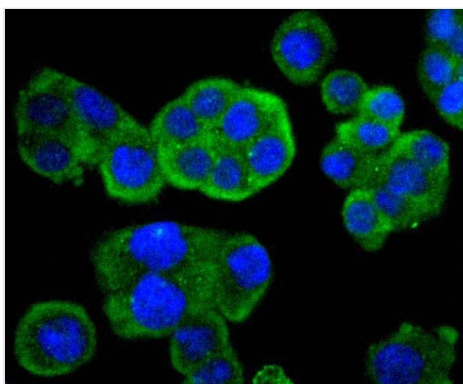
### PRODUCT SYNONYMS

MEK1; Monoclonal Antibody; MEK1 (Phospho-S298) Antibody; 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-MEK1 antibody

### PRODUCT SPECIFICATIONS

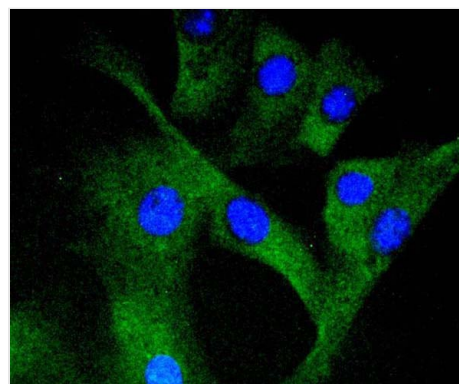
|                                                |                                                                                                   |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                            |
| Reactivity                                     | Human, Mouse, Rat                                                                                 |
| Clonality                                      | Monoclonal                                                                                        |
| Clone Number                                   | SD206-7                                                                                           |
| Purity/Purification                            | ProA affinity purified                                                                            |
| Form/Format                                    | 1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.                            |
| Applicable Applications for anti-MEK1 antibody | IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot) |
| Antibody Type                                  | Recombinant Antibody                                                                              |
| Immunogen                                      | Synthetic phospho-peptide corresponding to residues surrounding Ser298 of human MEK1.             |
| Conjugation                                    | Unconjugated                                                                                      |
| Preparation and Storage                        | Store at -20 degree C.                                                                            |

### IMAGES



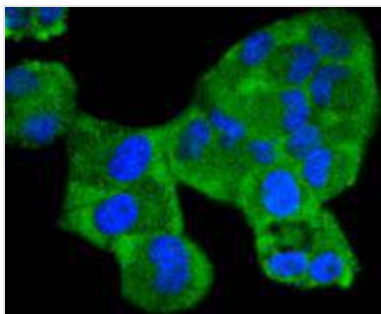
#### ICC (Immunocytochemistry)

ICC staining Phospho-MEK1 (S298) in SW480 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



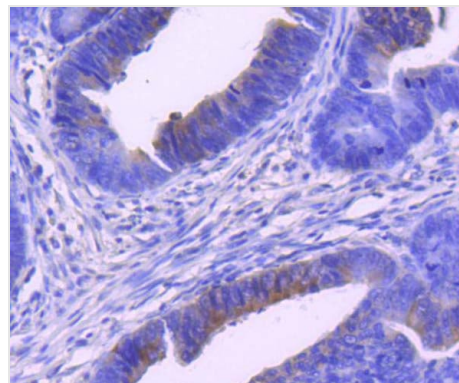
#### ICC (Immunocytochemistry)

ICC staining Phospho-MEK1 (S298) in NIH/3T3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



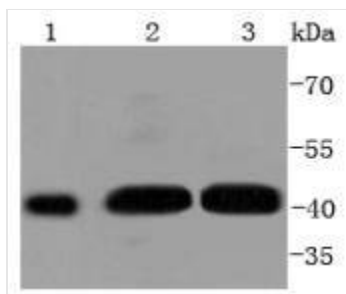
#### ICC (Immunocytochemistry)

ICC staining Phospho-MEK1 (S298) in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-Phospho-MEK1 (S298) antibody. Counter stained with hematoxylin.



#### WB (Western Blot)

Western blot analysis of Phospho-MEK1 (S298) on different lysates using anti-Phospho-MEK1 (S298) antibody at 1/1, 000 dilution. Positive control: Lane 1: HeLa Lane 2: NIH/3T3 Lane 3: A431

## ADDITIONAL INFORMATION

|                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-MEK1 antibody</b> | A family of protein kinases located upstream of the MAP kinases and responsible for their activation has been identified. The prototype member of this family, designated MAP kinase kinase, or MEK-1, specifically phosphorylates the MAP kinase regulatory threonine and tyrosine residues present in the Thr-Glu-Tyr motif of ERK. A second MEK family member, MEK-2, resembles MEK-1 in its substrate specificity. MEK-3 (or MKK-3) functions to activate p38 MAP kinase, and MEK-4 (also called SEK1 or MKK-4) activates both p38 and JNK MAP kinases. MEK-5 appears to specifically phosphorylate ERK5, whereas MEK-6 phosphorylates p38 and p38b. MEK-7 (or MKK-7) phosphorylates and activates the JNK signal transduction pathway. |
| <b>Product Categories/Family for anti-MEK1 antibody</b>   | <a href="#">Phospho-specific Ab</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## NCBI AND UNIPROT INFORMATION

|                                         |                                                            |
|-----------------------------------------|------------------------------------------------------------|
| <b>NCBI GI #</b>                        | <a href="#">5579478</a>                                    |
| <b>NCBI GeneID</b>                      | <a href="#">5604</a>                                       |
| <b>NCBI Accession #</b>                 | <a href="#">NP_002746.1</a>                                |
| <b>NCBI GenBank Nucleotide #</b>        | <a href="#">NM_002755.3</a>                                |
| <b>UniProt Accession #</b>              | <a href="#">Q02750</a>                                     |
| <b>Molecular Weight</b>                 | 43,439 Da                                                  |
| <b>NCBI Official Full Name</b>          | dual specificity mitogen-activated protein kinase kinase 1 |
| <b>NCBI Official Synonym Full Names</b> | mitogen-activated protein kinase kinase 1                  |
| <b>NCBI Official Symbol</b>             | MAP2K1                                                     |

|                               |                                                                                                                                                                                          |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI Official Synonym Symbols | 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             | MAP2K1                                                                                                                                                                                   |
| 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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/mek1-antibody-clone-sd206-7-immunohistochemistry-immunofluorescence-immunocytochemistry-western-blot-elisa/311032>