

## Rabbit MAP2K2 Polyclonal Antibody | anti-MAP2K2 antibody

MAP2K2 Polyclonal Antibody

|                               |                       |                                        |                                                           |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA311215</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|

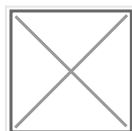
### PRODUCT SYNONYMS

MAP2K2; Polyclonal Antibody; MAP2K2 Polyclonal Antibody; CFC4; MAPKK2; MEK2; MKK2; PRKMK2; mitogen-activated protein kinase kinase 2; anti-MAP2K2 antibody

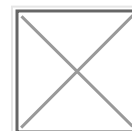
### PRODUCT SPECIFICATIONS

|                                                  |                                                    |
|--------------------------------------------------|----------------------------------------------------|
| Host                                             | Rabbit                                             |
| Reactivity                                       | Human, Mouse, Rat                                  |
| Clonality                                        | Polyclonal                                         |
| Isotype                                          | IgG                                                |
| Purity/Purification                              | Affinity purification                              |
| Form/Format                                      | PBS with 50% glycerol, pH7.4                       |
| Applicable Applications for anti-MAP2K2 antibody | IHC (Immunohistochemistry), WB (Western Blot)      |
| Immunogen                                        | A synthetic peptide of human MAP2K2 (NP_109587.1). |
| Conjugation                                      | Unconjugated                                       |
| Preparation and Storage                          | Store at -20 degree C. Avoid freeze/thaw cycles.   |

### IMAGES


**WB (Western Blot)**

Western blot analysis of extracts from normal (control) and MAP2K2 knockout (KO) 293T cells, using MAP2K2 antibody.


**WB (Western Blot)**

Western blot analysis of extracts of HeLa cells, using MAP2K2 antibody.

### ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-MAP2K2 antibody | The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase is known to play a critical role in mitogen growth factor signal transduction. It phosphorylates and thus activates MAPK1/ERK2 and MAPK2/ERK3. The activation of this kinase itself is dependent on the Ser/Thr phosphorylation by MAP kinase kinase kinases. Mutations in this gene cause cardiofaciocutaneous syndrome (CFC syndrome), a disease characterized by heart defects, mental retardation, and distinctive facial features similar to those found in Noonan syndrome. The inhibition or degradation of this kinase is also found to be involved in the pathogenesis of Yersinia and anthrax. A pseudogene, which is located on chromosome 7, has been identified for this gene. |
| Product Categories/Family for anti-MAP2K2 antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                            |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 13489054                                                                                                                                                                   |
| NCBI GeneID                      | 5605                                                                                                                                                                       |
| NCBI Accession #                 | NP_109587.1                                                                                                                                                                |
| NCBI GenBank Nucleotide #        | NM_030662.3                                                                                                                                                                |
| UniProt Accession #              | P36507                                                                                                                                                                     |
| Molecular Weight                 | 400                                                                                                                                                                        |
| NCBI Official Full Name          | dual specificity mitogen-activated protein kinase kinase 2                                                                                                                 |
| NCBI Official Synonym Full Names | mitogen-activated protein kinase kinase 2                                                                                                                                  |
| NCBI Official Symbol             | MAP2K2                                                                                                                                                                     |
| NCBI Official Synonym Symbols    | CFC4; MEK2; MKK2; MAPKK2; PRKMK2                                                                                                                                           |
| NCBI Protein Information         | dual specificity mitogen-activated protein kinase kinase 2; MAPK/ERK kinase 2; MAP kinase kinase 2; ERK activator kinase 2; mitogen-activated protein kinase kinase 2, p45 |
| UniProt Protein Name             | Dual specificity mitogen-activated protein kinase kinase 2                                                                                                                 |
| UniProt Gene Name                | MAP2K2                                                                                                                                                                     |
| UniProt Synonym Gene Names       | MEK2; MKK2; PRKMK2; MAP kinase kinase 2; MAPKK 2; MEK 2                                                                                                                    |
| UniProt Entry Name               | MP2K2_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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