

## anti-Human, Rat MKK3 Antibody | anti-MKK3 antibody

MKK3 (Phospho-Ser189) Antibody

|                               |                                 |                                                                               |
|-------------------------------|---------------------------------|-------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA110947</b> | REACTIVITY<br><b>Human, Rat</b> | APPLICATIONS<br><b>Immunofluorescence, Immunohistochemistry, Western Blot</b> |
|-------------------------------|---------------------------------|-------------------------------------------------------------------------------|

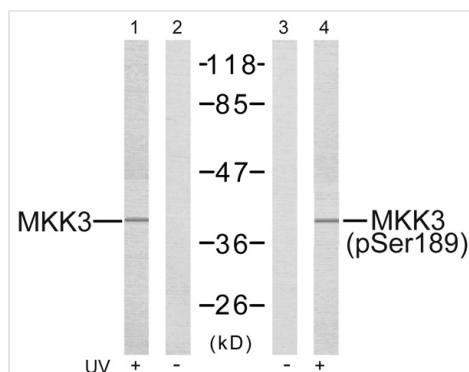
### PRODUCT SYNONYMS

MKK3; MKK3 (Phospho-Ser189) Antibody; anti-MKK3 antibody

### PRODUCT SPECIFICATIONS

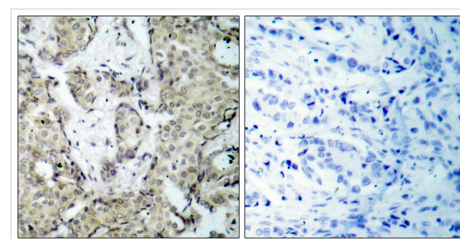
|                                                |                                                                                                                                                                                                                                                     |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                     | Human, Rat                                                                                                                                                                                                                                          |
| Specificity                                    | MKK3 (phospho-Ser189) antibody detects endogenous levels of MKK3 only when phosphorylated at serine189.                                                                                                                                             |
| Purity/Purification                            | Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site. |
| Form/Format                                    | In phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                             |
| Sequence Length                                | 318                                                                                                                                                                                                                                                 |
| Applicable Applications for anti-MKK3 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                              |
| Immunogen                                      | The antiserum was produced against synthesized phosphopeptide derived from human MKK3 around the phosphorylation site of serine 189 (V-D-SP-V-A).                                                                                                   |
| Preparation and Storage                        | Store at -20 degree C for 1 year                                                                                                                                                                                                                    |

### IMAGES



#### WB (Western Blot)

Western blot analysis of extract from MDA-MB-435 cells untreated or treated with UV, using MKK3 (Ab-189) antibody and MKK3 (phospho-Ser189) antibody.



#### IHC (Immunohistochemistry)

P-Peptide+ Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue, using MKK3 (phospho-Ser189) antibody.

### ADDITIONAL INFORMATION

|                                                  |                                                                                                                                                                                                                   |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Categories/Family for anti-MKK3 antibody | Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells |
| References                                       | Wang W, et al. (2002) Mol Cell Biol; 22(10): 3389-403. Raingeaud J, et al. (1996) Mol Cell Biol; 16(3): 1247-55.                                                                                                  |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                               |
|----------------------------------|-----------------------------------------------------------------------------------------------|
| NCBI GI #                        | 938403439                                                                                     |
| NCBI GeneID                      | 5606                                                                                          |
| NCBI Accession #                 | NP_001303261.1                                                                                |
| NCBI GenBank Nucleotide #        | NM_001316332.1                                                                                |
| UniProt Accession #              | P46734; Q99441; Q9UE71; Q9UE72; B3KSK7                                                        |
| Molecular Weight                 | 39,940 Da                                                                                     |
| NCBI Official Full Name          | dual specificity mitogen-activated protein kinase kinase 3 isoform A                          |
| NCBI Official Synonym Full Names | mitogen-activated protein kinase kinase 3                                                     |
| NCBI Official Symbol             | MAP2K3                                                                                        |
| NCBI Official Synonym Symbols    | MEK3; MKK3; MAPKK3; PRKMK3; SAPKK2; SAPKK-2                                                   |
| NCBI Protein Information         | dual specificity mitogen-activated protein kinase kinase 3                                    |
| UniProt Protein Name             | Dual specificity mitogen-activated protein kinase kinase 3                                    |
| UniProt Gene Name                | MAP2K3                                                                                        |
| UniProt Synonym Gene Names       | MEK3; MKK3; PRKMK3; SKK2; MAP kinase kinase 3; MAPKK 3; MEK 3; SAPK kinase 2; SAPKK-2; SAPKK2 |

**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/human-rat-antibody/mkk3/110947>