

## Rabbit MAPK3 Polyclonal Antibody | anti-MAPK3 antibody

MAPK3 Antibody

|                               |                       |                                        |                                                           |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA304384</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|

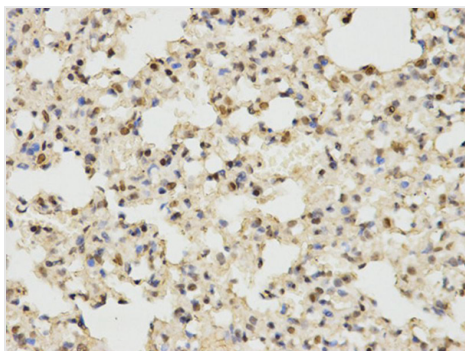
### PRODUCT SYNONYMS

MAPK3; Polyclonal Antibody; MAPK3 Antibody; ERK1; HS44KDAP; HUMKER1A; MGC20180; anti-MAPK3 antibody

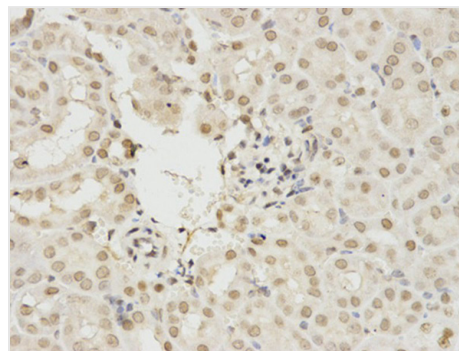
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                              |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                       |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                            |
| Clonality                                       | Polyclonal                                                                                                                                                   |
| Specificity                                     | The antibody detects endogenous level of total MAPK3 protein.                                                                                                |
| Purity/Purification                             | Antibodies were purified by affinity purification using immunogen.                                                                                           |
| Form/Format                                     | Supplied at 1.0mg/mL 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. |
| Concentration                                   | 1.0 mg/ml (varies by lot)                                                                                                                                    |
| Sequence Length                                 | 357                                                                                                                                                          |
| Applicable Applications for anti-MAPK3 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                |
| Immunogen Type                                  | Peptide                                                                                                                                                      |
| Immunogen Description                           | A synthetic peptide of human MAPK3.                                                                                                                          |
| Target Name                                     | MAPK3                                                                                                                                                        |
| Preparation and Storage                         | Store at -20 degree C                                                                                                                                        |

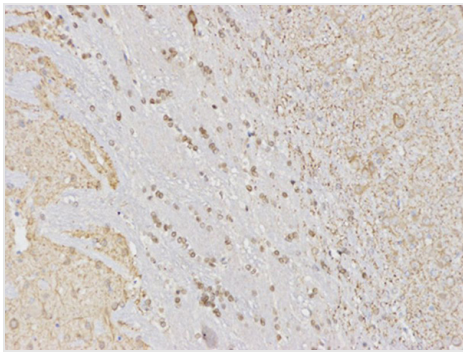
### IMAGES


**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded mouse lung using MAPK3 antibody at dilution of 1:100 (400x lens).

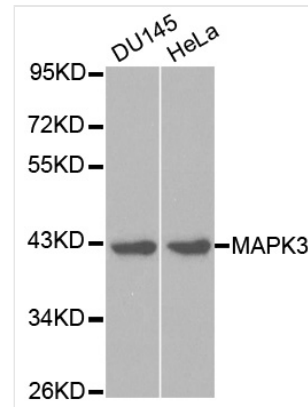

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded mouse kidney using MAPK3 antibody at dilution of 1:100 (400x lens).



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded rat brain using MAPK3 antibody at dilution of 1:100 (200x lens).



#### WB (Western Blot)

Western blot analysis of extracts of various cell lines, using MAPK3 antibody.

## ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-MAPK3 antibody</b> | The protein encoded by this gene is a member of the MAP kinase family. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act in a signaling cascade that regulates various cellular processes such as proliferation, differentiation, and cell cycle progression in response to a variety of extracellular signals. This kinase is activated by upstream kinases, resulting in its translocation to the nucleus where it phosphorylates nuclear targets. Alternatively spliced transcript variants encoding different protein isoforms have been described. |
| <b>Product Categories/Family for anti-MAPK3 antibody</b>   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

## NCBI AND UNIPROT INFORMATION

|                                         |                                                                                    |
|-----------------------------------------|------------------------------------------------------------------------------------|
| <b>NCBI GI #</b>                        | 91718897                                                                           |
| <b>NCBI GeneID</b>                      | 5595                                                                               |
| <b>NCBI Accession #</b>                 | NP_001035145.1                                                                     |
| <b>NCBI GenBank Nucleotide #</b>        | NM_001040056.2                                                                     |
| <b>UniProt Accession #</b>              | P27361; Q8NHX1; A8CZ58; B0LPG3                                                     |
| <b>Molecular Weight</b>                 | 40,088 Da                                                                          |
| <b>NCBI Official Full Name</b>          | mitogen-activated protein kinase 3 isoform 2                                       |
| <b>NCBI Official Synonym Full Names</b> | mitogen-activated protein kinase 3                                                 |
| <b>NCBI Official Symbol</b>             | MAPK3                                                                              |
| <b>NCBI Official Synonym Symbols</b>    | ERK1; ERT2; ERK-1; PRKM3; P44ERK1; P44MAPK; HS44KDAP; HUMKER1A; p44-ERK1; p44-MAPK |
| <b>NCBI Protein Information</b>         | mitogen-activated protein kinase 3                                                 |
| <b>UniProt Protein Name</b>             | Mitogen-activated protein kinase 3                                                 |
| <b>UniProt Gene Name</b>                | <b>MAPK3</b>                                                                       |
| <b>UniProt Synonym Gene Names</b>       | ERK1; PRKM3; MAP kinase 3; MAPK 3; ERK-1; p44-MAPK                                 |
| <b>UniProt Entry Name</b>               | MK03_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://www.aaabiotech.com/polyclonal/mapk3-antibody-immunohistochemistry-western-blot-elisa/304384>