

## Rabbit MAPK3-T202 Antibody | anti-MAPK3 antibody

Phospho-MAPK3-T202 Polyclonal Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                           |
|-----------|--------|-------------------|--------------------------------------------------------|
| AAA37352  | Rabbit | Human, Mouse, Rat | Immunofluorescence, Immunohistochemistry, Western Blot |

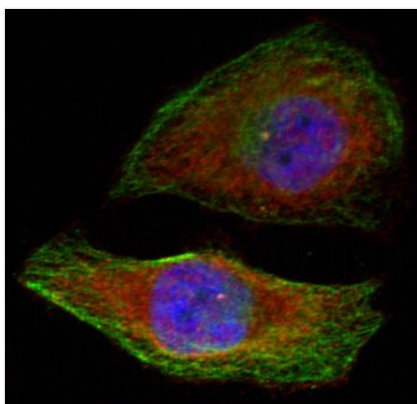
### PRODUCT SYNONYMS

MAPK3-T202; Phospho-MAPK3-T202 Polyclonal Antibody; Phospho-MAPK3-T202: ERK1; ERT2; ERK-1; PRKM3; P44ERK1; P44MAPK; HS44KDAP; HUMKER1A; p44-ERK1; p44-MAPK; anti-MAPK3 antibody

### PRODUCT SPECIFICATIONS

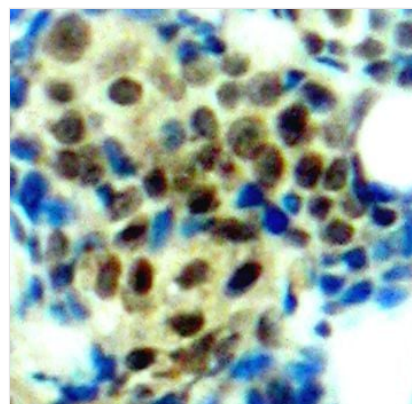
|                                                 |                                                                                                                                                       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                     |
| Isotype                                         | IgG                                                                                                                                                   |
| Purity/Purification                             | Affinity Purification                                                                                                                                 |
| Concentration                                   | 1mg/ml (varies by lot)                                                                                                                                |
| Sequence Length                                 | 379                                                                                                                                                   |
| Applicable Applications for anti-MAPK3 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                                                |
| Species                                         | Human                                                                                                                                                 |
| Route                                           | Synthetic Peptide                                                                                                                                     |
| Immunogen                                       | A phospho specific peptide corresponding to residues surrounding T202 of human MAPK3                                                                  |
| Preparation and Storage                         | Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles.<br>Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3. |

### IMAGES



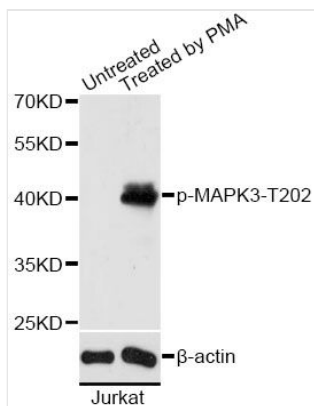
**IF (Immunofluorescence)**

Immunofluorescence staining of methanol-fixed HeLa cells showing cytoplasmic, nuclear staining using Phospho-MAPK3-T202 antibody.



**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded human breast carcinoma tissue, using Phospho-MAPK3-T202 antibody.



#### WB (Western Blot)

Western blot analysis of extracts of Jurkat cells, using Phospho-MAPK3-T202 antibody at 1:2000 dilution. Jurkat cells were treated by PMA/TPA (200nM) for 10 minutes. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA. Detection: ECL Enhanced Kit. Exposure time: 30s.

## 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>   | Phosphorylation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## NCBI AND UNIPROT INFORMATION

|                                         |                                                                                                                                                                                                                             |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NCBI GI #</b>                        | 232066                                                                                                                                                                                                                      |
| <b>NCBI GeneID</b>                      | 5595                                                                                                                                                                                                                        |
| <b>UniProt Accession #</b>              | P27361; Q8NHX1; A8CZ58; B0LPG3                                                                                                                                                                                              |
| <b>Molecular Weight</b>                 | 379                                                                                                                                                                                                                         |
| <b>NCBI Official Full Name</b>          | Mitogen-activated protein kinase 3                                                                                                                                                                                          |
| <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; MAPK 1; MAP kinase isoform p44; insulin-stimulated MAP2 kinase; extracellular signal-related kinase 1; extracellular signal-regulated kinase 1; microtubule-associated protein 2 kinase |
| <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.