

## Rabbit Bi-Phospho-ERK1/2 (T202/Y204) Polyclonal Antibody | anti-MAPK3 antibody

Bi-Phospho-ERK1/2 (T202/Y204) Antibody

| CATALOG # | HOST   | REACTIVITY                                           | APPLICATIONS                  |
|-----------|--------|------------------------------------------------------|-------------------------------|
| AAA288905 | Rabbit | Human (Predicted Reactivity: Drosophila, Mouse, Rat) | Western Blot, ELISA, Dot Blot |

### PRODUCT SYNONYMS

Bi-Phospho-ERK1/2 (T202/Y204); Polyclonal Antibody; Bi-Phospho-ERK1/2 (T202/Y204) Antibody; Mitogen-activated protein kinase 3; MAP kinase 3; MAPK 3; ERK2; Extracellular signal-regulated kinase 1; ERK-1; Insulin-stimulated MAP2 kinase; MAP kinase isoform p44; p44-MAPK; Microtubule-associated protein 2 kinase; p44-ERK1; MAPK3; ERK1; PRKM3; anti-MAPK3 antibody

### PRODUCT SPECIFICATIONS

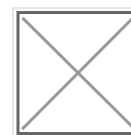
|                                                 |                                                                                                                                                                                     |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                              |
| Reactivity                                      | Human (Predicted Reactivity: Drosophila, Mouse, Rat)                                                                                                                                |
| Clonality                                       | Polyclonal                                                                                                                                                                          |
| Isotype                                         | Rabbit Ig                                                                                                                                                                           |
| Specificity                                     | This ERK1/2 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding T202/Y204 of human ERK1/2. |
| Purity/Purification                             | Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                          |
| Form/Format                                     | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.        |
| Concentration                                   | Vial Concentration: 0.5 (varies by lot)                                                                                                                                             |
| Sequence Length                                 | 357                                                                                                                                                                                 |
| Applicable Applications for anti-MAPK3 antibody | WB (Western Blot), ELISA, DB (Dot Blot)                                                                                                                                             |
| Antigen Type                                    | Synthetic Peptide                                                                                                                                                                   |
| Antigen Source                                  | HUMAN                                                                                                                                                                               |
| Preparation and Storage                         | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                              |

### IMAGES



#### WB (Western Blot)

Western blot analysis of ERK1/2 (arrow) using rabbit polyclonal P-MAPK(T202/Y204). HBEPC cell lysates either transiently induced (Lane 2) or noninduced with the EGF (Lane 1)(2 ug/lane).



#### WB (Western Blot)

Western blot analysis of ERK1/2 (arrow) using rabbit polyclonal P-MAPK(T202/Y204). HAOSMC cell lysates either transiently induced (Lane 2) or noninduced with the PDGF (Lane 1)(2 ug/lane).



#### DB (Dot Blot)

Dot blot analysis of Bi-phospho-ERK1/2-T202/Y204 Antibody on nitrocellulose membrane.  
50ng of Bisphospho-peptide or Non Phosphorylated peptide per dot were adsorbed. Antibody  
working concentrations are 0.5ug per ml.

### ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-MAPK3 antibody | MAPK3 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. |
| Product Categories/Family for anti-MAPK3 antibody   | Cancer; Cell Biology; Immunology; Signal Transduction; Amyotrophic Lateral Sclerosis (ALS)                                                                                                                                                                                                                                                                                                                                                            |
| References                                          | Munshi, H.G., et al., J. Biol. Chem. 279(37):39042-39050 (2004).<br>Mukherjee, S., et al., Infect. Immun. 72(9):5274-5282 (2004).<br>Sebkova, L., et al., Infect. Immun. 72(9):5019-5026 (2004).<br>Huang, H.M., et al., Biochem. Biophys. Res. Commun. 320(4):1247-1252 (2004).<br>Mizuno, S., et al., Am. J. Respir. Cell Mol. Biol. 31(2):184-192 (2004).                                                                                          |

### NCBI AND UNIPROT INFORMATION

|                                  |                                                                                    |
|----------------------------------|------------------------------------------------------------------------------------|
| NCBI GI #                        | 91718897                                                                           |
| NCBI GeneID                      | 5595                                                                               |
| NCBI Accession #                 | NP_001035145.1; NP_001103361.1; NP_002737.2                                        |
| NCBI GenBank Nucleotide #        | NM_001040056.2                                                                     |
| UniProt Accession #              | P27361; Q8NHX1; A8CZ58; B0LPG3                                                     |
| Molecular Weight                 | 43136                                                                              |
| NCBI Official Full Name          | mitogen-activated protein kinase 3 isoform 2                                       |
| NCBI Official Synonym Full Names | mitogen-activated protein kinase 3                                                 |
| NCBI Official Symbol             | MAPK3                                                                              |
| NCBI Official Synonym Symbols    | ERK1; ERT2; ERK-1; PRKM3; P44ERK1; P44MAPK; HS44KDAP; HUMKER1A; p44-ERK1; p44-MAPK |
| NCBI Protein Information         | mitogen-activated protein kinase 3                                                 |
| UniProt Protein Name             | Mitogen-activated protein kinase 3                                                 |
| UniProt Gene Name                | MAPK3                                                                              |
| UniProt Synonym Gene Names       | ERK1; PRKM3; MAP kinase 3; MAPK 3; ERK-1; p44-MAPK                                 |
| UniProt Entry Name               | 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.