

---

**Product Name: Erk 1/2 (Phospho Thr202/Tyr204) Rabbit Monoclonal Antibody****Catalog #: AMRe21169**

For research use only.

**Summary**

|                      |   |
|----------------------|---|
| <b>Description</b>   | Recombinant rabbit monoclonal antibody                                      |
| <b>Host</b>          | Rabbit  |
| <b>Application</b>   | WB,ICC/IF,ELISA,IP  |
| <b>Reactivity</b>    | Human,Mouse,Rat   |
| <b>Conjugation</b>   | Phospho   |
| <b>Modification</b>  | Phosphorylated  |
| <b>Isotype</b>       | IgG,Kappa   |
| <b>Clonality</b>     | Monoclonal  |
| <b>Form</b>          | Liquid  |
| <b>Concentration</b> | 0.3mg/ml. The concentration of this product may be batch-dependent.         |
| <b>Storage</b>       | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| <b>Shipping</b>      | Ice bags  |
| <b>Buffer</b>        | PBS, 50% glycerol, 0.05% Proclin 300, 0.05%protective protein               |
| <b>Purification</b>  | Protein A   |

**Application**

|                         |  |
|-------------------------|--|
| <b>Dilution Ratio</b>   | WB 1:2000-1:10000,ICC/IF 1:200-1:1000,ELISA 1:5000-1:20000,IP 1:50-1:200 |
| <b>Molecular Weight</b> | Calculated MW:44kD,42kD;Observed MW:44kD,42kD                            |

**Antigen Information**

|                          |   |
|--------------------------|---|
| <b>Gene Name</b>         | MAPK1/MAPK3<br>MAPK3;ERK1;PRKM3;Mitogen-activated protein kinase 3;MAP kinase 3;MAPK  |
| <b>Alternative Names</b> | 3;ERT2;Extracellular signal-regulated kinase 1;ERK-1;Insulin-stimulated MAP2 kinase;MAP kinase isoform p44;p44-MAPK;Microtubule-associated protein 2 kinase;p |
| <b>Gene ID</b>           | 5594;5595   |
| <b>SwissProt ID</b>      | P27361;P28482   |
| <b>Immunogen</b>         | A synthetic Phosphorylated peptide corresponding to residues target protein   |

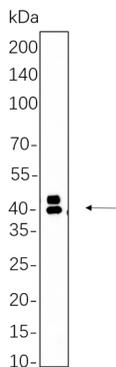
**Background**

Cell localization:Cytoplasm, Nucleus.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. [provided by RefSeq, Jul 2008],

## Research Area

### Image Data



Hela-2 cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with Erk 1/2 (Phospho Thr202/Tyr204) Rabbit Monoclonal Antibody 1:1000. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody.