

# Product Data Sheet

## Anti-ERK1/2 Antibody

| Catalog #                | Source                                                                                                                                                                                                                                                          | Reactivity    | Applications |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------|
| CPA4720                  | Rabbit                                                                                                                                                                                                                                                          | H, M, B, C, Z | WB           |
| <b>Description</b>       | Rabbit polyclonal antibody to ERK1/2                                                                                                                                                                                                                            |               |              |
| <b>Immunogen</b>         | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human ERK1/2. The exact sequence is proprietary.                                                                                                                           |               |              |
| <b>Purification</b>      | The antibody was purified by immunogen affinity chromatography.                                                                                                                                                                                                 |               |              |
| <b>Specificity</b>       | Recognizes endogenous levels of ERK1/2 protein.                                                                                                                                                                                                                 |               |              |
| <b>Clonality</b>         | Polyclonal                                                                                                                                                                                                                                                      |               |              |
| <b>Form</b>              | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                                                                                                                                                       |               |              |
| <b>Dilution</b>          | WB (1/500 - 1/1000)                                                                                                                                                                                                                                             |               |              |
| <b>Gene Symbol</b>       | MAPK1; MAPK3                                                                                                                                                                                                                                                    |               |              |
| <b>Alternative Names</b> | MAPK1; ERK2; PRKM1; PRKM2; Mitogen-activated protein kinase 1; MAP kinase 1; MAPK 1; ERT1; Extracellular signal-regulated kinase 2; ERK-2; MAP kinase isoform p42; p42-MAPK; Mitogen-activated protein kinase 2; MAP kinase 2; MAPK 2; MAPK3; ERK1; PRKM3; Mito |               |              |
| <b>Entrez Gene</b>       | 5594, 5595 (Human); 26413, 26417 (Mouse)                                                                                                                                                                                                                        |               |              |
| <b>SwissProt</b>         | P28482, P27361 (Human); P63085, Q63844 (Mouse)                                                                                                                                                                                                                  |               |              |
| <b>Storage/Stability</b> | Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.                                                                                                                                                                |               |              |

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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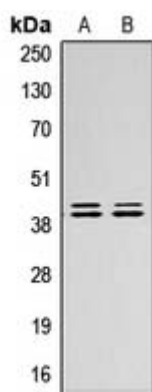
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Western blot analysis of ERK1/2 expression in HepG2 (A), NIH3T3 (B) whole cell lysates.

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