

**Catalogue No.**

AB0363-100

**Qty:**

300 µg

## Anti-ERK1/2

**Source:** Goat

**General description:** ERK1/2 (Extracellular Signal-Regulated Kinases 1 and 2) are key MAP kinases (~42–44 kDa) activated by phosphorylation of the TEY motif through the RAS–RAF–MEK–ERK pathway. Once activated, they move to the nucleus and regulate genes involved in cell proliferation, differentiation, and survival. They are highly conserved and widely used as markers of MAPK pathway activation, especially in their phospho-ERK1/2 form.

**Alternative names:** ERK1, ERK2, Extracellular signal-regulated kinase , MAP kinase 3, MAPK3, p44 MAPK, p44 ERK, Erythroblastic leukemia viral oncogene homolog kinase, Extracellular signal-regulated kinase 2, MAP kinase 1, MAPK1, p42 MAPK, p42 ERK antibody.

**Form:** Polyclonal antibody supplied as a 100 µl (3 mg/ml) aliquot in PBS, 20% glycerol and 0.05% sodium azide. This antibody is epitope-affinity purified from goat antiserum.

**Immunogen:** Synthetic peptide derived from within residues 355 aa to N-Term of human ERK1.

**Specificity:** Reacts with ERK1 and ERK2 detected by Western blot using the following human (293HEK, Jurkat, SKOV3, U118 and MCF7), mouse (At-T20 and NIH3T3), canine (MDCK) whole cell lysates.

**Reactivity:** Reacts with Human, Rat, Mouse, Monkey and Canine proteins

| Sample | WB  | IHC (F) | IHC (P) | IF | ELISA | IEM |
|--------|-----|---------|---------|----|-------|-----|
| Human  | +++ | ND      | ND      | ND | ND    | ND  |
| Rat    | +++ | ND      | ND      | ND | ND    | ND  |
| Mouse  | +++ | ND      | ND      | ND | ND    |     |
| Canine | +++ | ND      | ND      | ND | ND    | ND  |
| Monkey | +++ | ND      | ND      | ND | ND    | ND  |

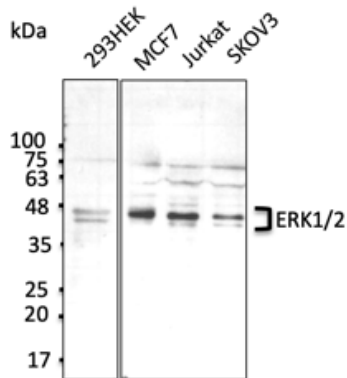
+++ excellent, ++ good, + poor, ND not determined

**Usage:**

WB: 1:500-1:2,000

**Storage:** Store at -20 C for long-term storage. Store at 2-8 C for up to one month.

**Special instructions:** Avoid freeze/thaw cycles..



Anti-ERK1/2 Ab at 1/1,000 dilution; lanes with 50 µg of total lysates; chicken polyclonal to goat IgG conjugated to HRP (AB1125) at 1/10,000 dilution;

For research use only, not for diagnostic use

#### SICGEN's Proprietary Immunogen Policy

In order to produce high specific antibodies SICGEN has invested a lot of time and effort into selecting immunogen sequences. SICGEN has decided to protect this information by not publishing it on the website. However, these sequences are available on request.