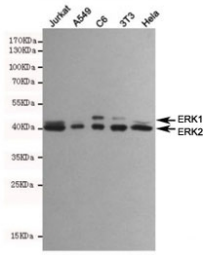
# ERK1/2 Antibody / MAPK1/3 [clone 4F3-A10-E7] (F54025)

| Catalog No. | Formulation | Size |
|---|---|---|
| F54025-0.1ML | In PBS with 50% glycerol and 0.03% ProClin 300 | 0.1 ml |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse, Rat |
| **Format** | Purified |
| **Host** | Mouse |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgG1 |
| **Clone Name** | 4F3-A10-E7 |
| **Purity** | Protein G affinity |
| **UniProt** | P27361, P28482 |
| **Applications** | Western Blot : 1:1000 |
| **Limitations** | This ERK1/2 antibody is available for research use only. |




Western blot testing of human Jurkat, human A549, rat C6, moouse NIH3T3 and human HeLa cell lysates using ERK1/2 antibody at 1:1000. Predicted molecular weight: ~44 kDa (ERK1), ~42 kDa (ERK2).

## Description

Serine/threonine kinase which acts as an essential component of the MAP kinase signal transduction pathway. MAPK1/ERK2 and MAPK3/ERK1 are the 2 MAPKs which play an important role in the MAPK/ERK cascade. They participate also in a signaling cascade initiated by activated KIT and KITLG/SCF. Depending on the cellular context, the MAPK/ERK cascade mediates diverse biological functions such as cell growth, adhesion, survival and differentiation through the regulation of transcription, translation, cytoskeletal rearrangements.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the ERK1/2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A synthetic peptide corresponding to a portion of human ERK1 was used as the immunogen for this ERK1/2 antibody.

## Storage

Store the ERK1/2 antibody at -20oC.


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