# ERK 1/2 (phospho Tyr222/205) Polyclonal Antibody

**Cat No: HR1AP2552**

For research use only

## Overview

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| Product Name | ERK 1/2 (phospho Tyr222/205) Polyclonal Antibody |
| Source | Rabbit |
| Applications | IF,WB,IHC-p,ELISA |
| Species Reactivity | Human,Mouse,Rat |
| Recommended Dilutions | |
| Immunogen | |
| Species | Rabbit |
| Storage | -20°C/1 year |
| Isotype | |
| Clonality | |
| Concentration | 1 mg/ml |
| Observed band | 44kDa |
| GeneID?Human? | MAPK1/MAPK3 |
| Human Swiss-Prot No. | |
| Cellular localization | |
| Alternative Names | 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 k |
| Background | mitogen-activated protein kinase 1(MAPK1) Homo sapiens This gene encodes a member of the MAP kinase family. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. The activation of this kinase requires its phosphorylation by upstream kinases. Upon activation, this kinase translocates to the nucleus of the stimulated cells, where it phosphorylates nuclear targets. One study also suggests that this protein acts as a transcriptional repressor independent of its kinase activity. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. Two alternatively spliced transcript variants encoding the same protein, but differing in the UTRs, have been reporte |