

Datasheet for ABIN1734127 **anti-ERK1/2 antibody**

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Overview

Quantity:	100 µL
Target:	ERK1/2 (MAPK1/3)
Reactivity:	Human, Mouse, Chicken, Xenopus laevis, Drosophila melanogaster, Mammalian
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ERK1/2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	35 amino acid synthetic peptide corresponding to ERK1 conjugated to KLH.
Isotype:	IgG
Specificity:	Reacts with human Erk1 and Erk2. Cross-reacts with mouse, rat, chicken, sheep, bovine, drosophila and xenopus protein.
Purification:	Serum

Target Details

Target:	ERK1/2 (MAPK1/3)
Alternative Name:	Erk1 + Erk2 (MAPK1/3 Products)
Background:	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

Target Details

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. The MAPK/ERK cascade plays also a role in initiation and regulation of meiosis, mitosis, and postmitotic functions in differentiated cells by phosphorylating a number of transcription factors.

Mitogen-activated protein kinase 3 & Mitogen-activated protein kinase 1 Extracellular signal-regulated kinase 1 & Extracellular signal-regulated kinase 3 ERK-1 & ERK-2 Gene name: MAPK3, MAPK1

UniProt: [P27361](#), [P28482](#)

Application Details

Application Notes: Working dilution: Optimal dilution should be determined by the end user.
The following are guidelines only :
WB1:5000

Positive control: HeLa cell

Restrictions: For Research Use only

Handling

Handling Advice: Dilute in PBS or medium which is identical to that used in the assay system.

Storage: 4 °C/-20 °C

Storage Comment: Short term storage at+4°C. For extended periods store in aliquots at -20°C. Antibodies are guaranteed for 6 months from date of receipt.

Expiry Date: 6 months