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Datasheet for ABIN6700264

**ERK1 Protein (Lys71Ala-Mutant) (His tag)**

## Overview

Quantity:	50 µg
Target:	ERK1 (MAPK3)
Protein Characteristics:	Lys71Ala-Mutant
Origin:	Human
Source:	Escherichia coli (E. coli)
Purification tag / Conjugate:	This ERK1 protein is labelled with His tag.
Application:	Western Blotting (WB)

## Product Details

Cross-Reactivity:	Human
Characteristics:	PRKM3, P44ERK1, P44MAPK, MAPK3, Mitogen-activated protein kinase 3, MAP kinase 3, ERT2, Extracellular signal-regulated kinase 1, ERK-1, Insulin-stimulated MAP2 kinase, MAP kinase isoform p44, p44-MAPK, Microtubule-associated protein 2 kinase, p44-ERK1
Purification:	Recombinant full-length human ERK1 was expressed in E. coli cells using an N-Terminal his epitope. The purity was determined to be >85% by densitometry.

## Target Details

Target:	ERK1 (MAPK3)
Alternative Name:	ERK1 ( <a href="#">MAPK3 Products</a> )
Pathways:	<a href="#">MAPK Signaling</a> , <a href="#">RTK Signaling</a> , <a href="#">Interferon-gamma Pathway</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Response to Growth Hormone Stimulus</a> , <a href="#">Activation</a>

## Target Details

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[of Innate immune Response](#), [Cellular Response to Molecule of Bacterial Origin](#), [Hepatitis C](#), [Protein targeting to Nucleus](#), [Toll-Like Receptors Cascades](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#), [Signaling of Hepatocyte Growth Factor Receptor](#), [VEGFR1 Specific Signals](#), [S100 Proteins](#)

## Application Details

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Application Notes: Application Note: ERK1 Protein is stored in 50 mM sodium phosphate, pH 7.0, 300 mM NaCl, 150 mM imidazole, 0.1 mM PMSF, 0.25 mM DTT, 25 % glycerol. ERK1 Protein is suitable for use in Western Blot and Kinase Assay. Expect a band approximately ~ 44 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

Western Blot Dilution: User Optimized

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 0.2 µg/µL

Storage: -80 °C

Storage Comment: -80 °c

Expiry Date: 12 months