

Datasheet for ABIN5702776
anti-ERK1/2 antibody



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Overview

Quantity:	100 µg
Target:	ERK1/2 (MAPK1/3)
Reactivity:	Human, Mouse, Rat, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ERK1/2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	mitogen-activated protein kinase 1
Isotype:	IgG

Target Details

Target:	ERK1/2 (MAPK1/3)
Alternative Name:	ERK1/2 (MAPK1/3 Products)
Background:	Synonyms:ERK, ERK 2, ERK1/2, ERK2, ERT1, MAP kinase 1, MAP kinase 2, MAP kinase isoform p42, MAPK 1, MAPK 2, MAPK1, MAPK2, p40, p41, p41mapk, p42 MAPK, P42MAPK, PRKM1, PRKM2 Background: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

Target Details

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 reported for this gene.

Molecular Weight: 38-44 kDa

UniProt: [P28482](#)

Application Details

Application Notes: WB : 1:1000-1:10000 IHC : 1:50-1:200 IF : 1:10-1:100

Comment: HeLa cells were subjected to SDS PAGE followed by western blot with FNab02845(ERK1/2 antibody) at dilution of 1:1000

Restrictions: For Research Use only

Handling

Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze / thaw cycles.

Storage: -20 °C

Expiry Date: 12 months