

Datasheet for ABIN6985719
anti-ERK1/2 antibody (Cy5.5)



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Overview

Quantity:	100 µL
Target:	ERK1/2 (MAPK1/3)
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ERK1/2 antibody is conjugated to Cy5.5
Application:	Immunofluorescence (Cultured Cells) (IF (cc))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ERK1/2
Clone:	8C2
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein G.

Target Details

Target:	ERK1/2 (MAPK1/3)
Alternative Name:	ERK1/2 (MAPK1/3 Products)
Background:	Synonyms: P44/42 MAPK, ERK, ERK-1, ERT 2, ERT2, Extracellular Signal Regulated Kinase 1, Extracellular signal related kinase 1, Extracellular signal-regulated kinase 1, HGNC6877,

Target Details

HS44KDAP, HUMKER1A, Insulin Stimulated MAP2 Kinase, Insulin-stimulated MAP2 kinase, MAP kinase 1, MAP kinase 3, MAP Kinase, MAP kinase isoform p44, MAPK 1, MAPK 3, MAPK, MAPK1, Mapk3, MGC20180, Microtubule Associated Protein 2 Kinase, Microtubule-associated protein 2 kinase, Mitogen Activated Protein Kinase 3, Mitogen-activated protein kinase 1, Mitogen-activated protein kinase 3, MK03_HUMAN, OTTHUMP00000174538, OTTHUMP00000174541, p44 ERK1, p44 MAPK, p44-ERK1, p44-MAPK, P44ERK1, P44MAPK, PRKM 3, PRKM3, Protein Kinase Mitogen Activated 3.

Background: The protein encoded by this gene is a member of the MAP kinase family. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act in a signaling cascade that regulates various cellular processes such as proliferation, differentiation, and cell cycle progression in response to a variety of extracellular signals. This kinase is activated by upstream kinases, resulting in its translocation to the nucleus where it phosphorylates nuclear targets. Alternatively spliced transcript variants encoding different protein isoforms have been described. [provided by RefSeq, Jul 2008]

Gene ID: 5595

UniProt: [P27361](#)

Application Details

Application Notes: IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

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

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Handling

Expiry Date: 12 months