Datasheet for ABIN7116410

anti-ERK1/2 antibody

Go to Product page

Overview

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

Product Details

Immunogen:	mitogen-activated protein kinase 3
Clone:	8C11
Isotype:	IgG1
Purification:	Protein A+G purification
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	ERK1/2 (MAPK1/3)
Alternative Name:	ERK1/2 (MAPK1/3 Products)
Background:	Synonyms:ERK, ERK 1, ERK1, ERK1/2, ERT2, HS44KDAP, HUMKER1A, Insulin stimulated MAP2 kinase, MAP kinase 1, MAP kinase 3, MAP kinase isoform p44, MAPK 1, MAPK 3, MAPK3, p44

Target Details

	ERK1, p44 MAPK, P44ERK1, P44MAPK, PRKM3 Background:ERK1 and ERK2 belongs to the protein kinase superfamily. It is involved in both the initiation and regulation of meiosis, mitosis, and postmitotic functions in differentiated cells by phosphorylating a number of transcription factors such as ELK-1. ERK1/2 catalized the reaction: ATP + a protein = ADP + a phosphoprotein. It is activated by tyrosine phosphorylation in response to insulin and NGF.
Molecular Weight:	38-44 kDa
Gene ID:	5595
UniProt:	P27361

Application Details

Application Notes:	WB:1:500-1:5000, IP: 1:1000-1:10000, IHC: 1:100-1:400, IF: 1:20-1:200
Restrictions:	For Research Use only

Handling

Format:	Liquid
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.
Storage:	-20 °C
Storage Comment:	-20°C for 12 months (Avoid repeated freeze / thaw cycles.)
Expiry Date:	12 months