

Datasheet for ABIN7296706
anti-ERK1/2 antibody (Center)



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2 Images

Overview

Quantity:	100 µL
Target:	ERK1/2 (MAPK1/3)
Binding Specificity:	Center
Reactivity:	Human, Rat, Cow, Chicken, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ERK1/2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunochromatography (IC)

Product Details

Immunogen:	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human ERK1/2.
Specificity:	Recognizes endogenous levels of ERK1/2 protein.
Characteristics:	Rabbit polyclonal antibody to ERK1/2
Purification:	The antibody was purified by immunogen affinity chromatography.

Target Details

Target:	ERK1/2 (MAPK1/3)
Alternative Name:	ERK1/2 (MAPK1/3 Products)
Background:	MAPK3, ERK1, PRKM3, Mitogen-activated protein kinase 3, MAP kinase 3, MAPK 3, ERT2,

Target Details

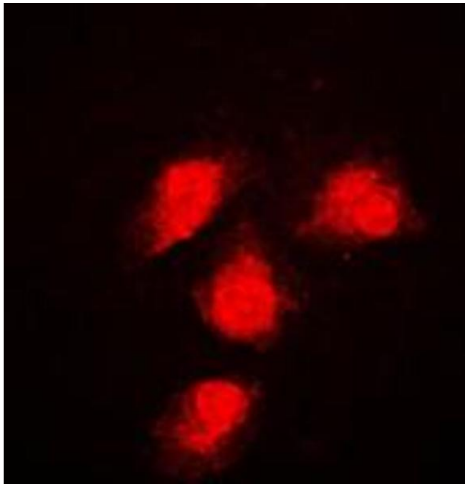
	Extracellular signal-regulated kinase 1, ERK-1, Insulin-stimulated MAP2 kinase, MAP kinase isoform p44, p44-MAPK, Microtubule-associated protein 2 kinase, p44-ERK1, MAPK1, ERK2, PRKM1, PRKM2, Mitogen-activated protein kinase 1, MAP kinase 1, MAPK 1, ERT1, Extracellular signal-regulated kinase 2, ERK-2, MAP kinase isoform p42, p42-MAPK, Mitogen-activated protein kinase 2, MAP kinase 2, MAPK 2
Gene ID:	5595, 5594, 50689
UniProt:	P27361 , P28482 , P21708 , P63086

Application Details

Application Notes:	WB (1:500 - 1:1000), IF/IC (1:100 - 1:500)
Restrictions:	For Research Use only

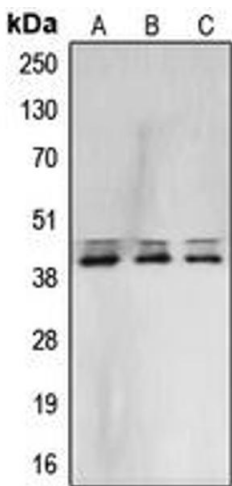
Handling

Format:	Liquid
Buffer:	Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % sodium azide.
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:	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.
Expiry Date:	12 months



Immunofluorescence

Image 1. Immunofluorescent analysis of ERK1/2 staining in NIH3T3 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



Western Blotting

Image 2. Western blot analysis of ERK1/2 expression in A431 (A), NIH3T3 (B), PC12 (C) whole cell lysates.