

Datasheet for ABIN185399
anti-ERK1 antibody (N-Term)

6 Images

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Overview

Quantity:	100 µg
Target:	ERK1 (MAPK3)
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This ERK1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Purpose:	MAPK3/ERK1
Immunogen:	Peptide with sequence GGEPRRTEGVGP-C, from the N Terminus of the protein sequence according to NP_002737.2, NP_001035145.1, NP_001103361.1.
Sequence:	GGEPRRTEGV GP
Isotype:	IgG
Specificity:	No cross-reactivity expected with ERK2
Cross-Reactivity:	Human
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

Target:	ERK1 (MAPK3)
Alternative Name:	MAPK3 (MAPK3 Products)
Background:	MAPK3, ERK1, mitogen-activated protein kinase 3, HGNC:6877, P44ERK1, P44MAPK, PRKM3, protein kinase, mitogen-activated 3 (MAP kinase 3 p44), HS44KDAP, HUMKER1A, MGC20180, OTTHUMP00000174538, extracellular signal-regulated kinase 1, extracellular signal-re
Gene ID:	5595
NCBI Accession:	NP_002737 , NP_001035145 , NP_001103361
Pathways:	MAPK Signaling , RTK Signaling , Interferon-gamma Pathway , Fc-epsilon Receptor Signaling Pathway , Neurotrophin Signaling Pathway , Response to Growth Hormone Stimulus , Activation 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

Application Notes:	Western Blot: Approx 40 kDa band observed in Human Cerebellum lysates and in lysates of cell lines A431 and HepG2, and approx 42 kDa observed in Human Frontal Cortex lysates (calculated MW of 40.1 kDa according to NP_001035145.1 and 43.1 kDa according to NP_001035145.1) Peptide ELISA: antibody detection limit dilution 1:4000.
Comment:	Immunofluorescence: Strong expression of the protein seen in the cytoplasm of HeLa and A431 cells. Recommended concentration: 10µg/ml. Flow Cytometry: Flow cytometric analysis of A431 cells. Recommended concentration: 10µg/ml.
Restrictions:	For Research Use only

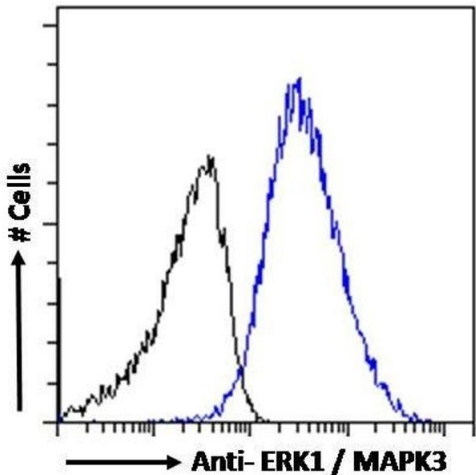
Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

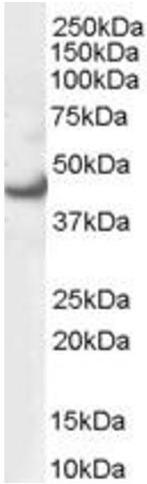
	should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Images



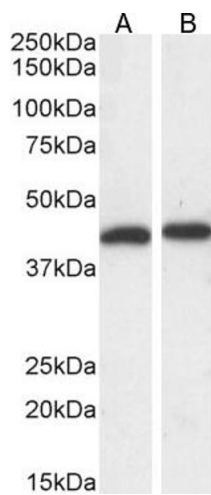
Flow Cytometry

Image 1. ABIN185399 Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5 % Triton. Primary incubation 1hr (10 µg/mL) followed by Alexa Fluor 488 secondary antibody (1 µg/mL). IgG control: Unimmunized goat IgG (black line) fol



Western Blotting

Image 2. ABIN185399 (0.3µg/ml) staining of HEK293 lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



Western Blotting

Image 3. ABIN185399 (0.1 µg/mL) staining of Human Cerebellum (A) and Frontal Cortex (B) lysate (35 µg protein in RIPA buffer). Detected by chemiluminescence.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN185399.