Datasheet for ABIN391367

anti-ERK2 antibody (AA 154-183)

3 Images

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Overview

Quantity:	400 µL
Target:	ERK2 (MAPK1)
Binding Specificity:	AA 154-183
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ERK2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	This MAPK1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 154-183 amino acids from the Central region of human MAPK1.
Clone:	RB11610
Isotype:	Ig Fraction
Predicted Reactivity:	B, M, Rat, X
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	ERK2 (MAPK1)

Target Details

Alternative Name:	ERK2 (MAPK1) (MAPK1 Products)
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 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 kinase requires its phosphorylation by upstream kinases. Upon activation, this kinase translocates to the nucleus of the stimulated cells, where it phosphorylates nuclear targets.
Molecular Weight:	41390
Gene ID:	5594
NCBI Accession:	NP_002736, NP_620407
UniProt:	P28482
Pathways:	MAPK Signaling, RTK Signaling, Apoptosis, Interferon-gamma Pathway, Fc-epsilon Receptor 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, Monocarboxylic Acid Catabolic Process, Autophagy, G-protein mediated Events, Signaling Events mediated by VEGFR1 and VEGFR2, Signaling of Hepatocyte Growth Factor Receptor, VEGFR1 Specific Signals, BCR Signaling, S100 Proteins

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

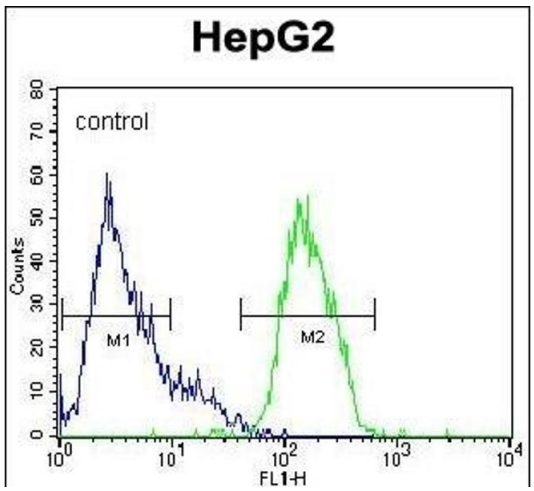
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Handling

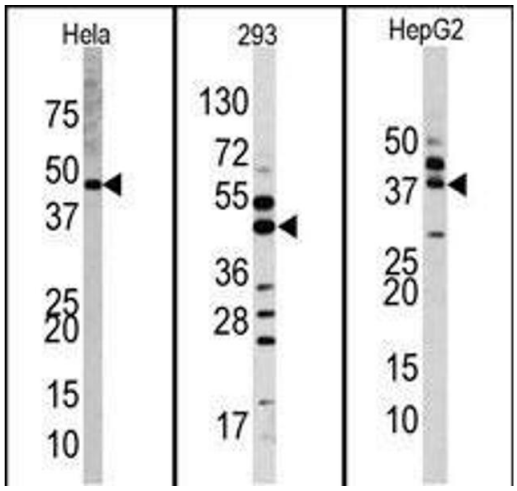
Expiry Date:	6 months

Images



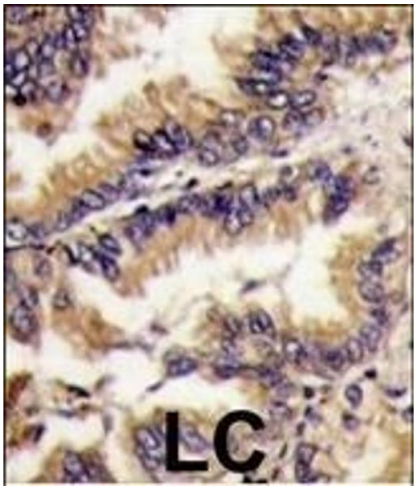
Flow Cytometry

Image 1. PK1 Antibody (Center) (ABIN391367 and ABIN2841384) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. Western blot analysis of anti-PK1 Antibody (Center) Pab (R) in Hela, 293, and HepG2 cell line lysates. PK1 Antibody (Center)(arrow) was detected using the purified Pab.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Forlin-fixed and paraffin-embedded hun lung carcino tissue reacted with PK1 Antibody (Center) (ABIN391367 and ABIN2841384) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.