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Datasheet for ABIN3020725 anti-ERK1 antibody (AA 1-100)

20 Images

8 Publications



Overview

Quantity:	100 µL
Target:	ERK1 (MAPK3)
Binding Specificity:	AA 1-100
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ERK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Product Details	
Product Details Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human ERK1 (NP_002737.2).
Immunogen:	(NP_002737.2). MAAAAAQGGG GGEPRRTEGV GPGVPGEVEM VKGQPFDVGP RYTQLQYIGE GAYGMVSSAY
Immunogen: Sequence:	(NP_002737.2). MAAAAAQGGG GGEPRRTEGV GPGVPGEVEM VKGQPFDVGP RYTQLQYIGE GAYGMVSSAY DHVRKTRVAI KKISPFEHQT YCQRTLREIQ ILLRFRHENV
Immunogen: Sequence: Isotype:	(NP_002737.2). MAAAAAQGGG GGEPRRTEGV GPGVPGEVEM VKGQPFDVGP RYTQLQYIGE GAYGMVSSAY DHVRKTRVAI KKISPFEHQT YCQRTLREIQ ILLRFRHENV IgG

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Target:	ERK1 (MAPK3)
Alternative Name:	MAPK3 (MAPK3 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 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.,ERK-1,ERK1,ERT2,HS44KDAP,HUMKER1A,P44ERK1,P44MAPK,PRKM3,p44-
	ERK1,p44-MAPK,MAPK3,Epigenetics & Nuclear Signaling,Translation Control,Regulation of elF
	and p70 S6 Kinase,Signal Transduction,G protein signaling,G2/M DNA Damage
	Checkpoint,Kinase,Serine/threonine kinases,mTOR Signaling Pathway,ErbB-HER Signaling
	Pathway,MAPK-Erk Signaling Pathway,Cell Biology & Developmental
	Biology,Apoptosis,Mitochondrial Control of Apoptosis,Inhibition of Apoptosis,Cell
	Cycle,Centromere,Microtubules,TGF-b-Smad Signaling Pathway,ESC Pluripotency and
	Differentiation,Endocrine & Metabolism,Insulin Receptor Signaling Pathway,Warburg
	Effect,Immunology & Inflammation,B Cell Receptor Signaling Pathway,T Cell Receptor Signalin
	Pathway,IL-6 Receptor Signaling Pathway,Neuroscience,Neurodegenerative Diseases,Amyloid
	Plaque and Neurofibrillary Tangle Formation in Alzheimer's Disease,Stem
	Cells,Cardiovascular,Angiogenesis,MAPK3
Molecular Weight:	38 kDa/40 kDa/43 kDa
Gene ID:	5595
JniProt:	P27361
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:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200
Restrictions:	For Research Use only

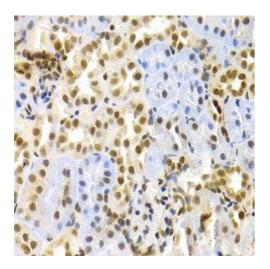
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Handling

-	
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,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.
Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.
Publications	
Product cited in:	Yan, Du, Li, Chen, Yan, Chen, Hu, Chang: "CO suppresses prostate cancer cell growth by directly targeting LKB1/AMPK/mTOR pathway in vitro and in vivo." in: Urologic oncology , Vol. 36, Issue 6, pp. 312.e1-312.e8, (2018) (PubMed).

There are more publications referencing this product on: Product page

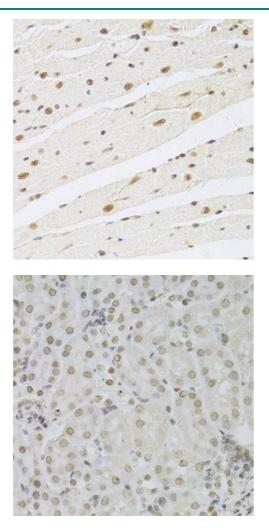
Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded rat kidney using MAPK3 Antibody.

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Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry of paraffin-embedded rat heart using MAPK3 Antibody.

Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded mouse kidney using MAPK3 Antibody.

Please check the product details page for more images. Overall 20 images are available for ABIN3020725.