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Datasheet for ABIN7250725 anti-ERK1/2 antibody (pTyr204)

3 Images



Overview

Quantity:	200 μL
Target:	ERK1/2 (MAPK1/3)
Binding Specificity:	pTyr204
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ERK1/2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

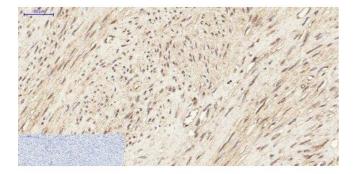
Immunogen:	Synthesized peptide derived from human ERK 1/2 around the phosphorylation site of Tyr204
Isotype:	IgG
Characteristics:	Phosphorylated antibody
Purification:	Affinity purification
Target Details	
Target:	ERK1/2 (MAPK1/3)
Alternative Name:	ERK 1/2 (MAPK1/3 Products)
Background:	Involved in both the initiation and regulation of meiosis, mitosis, and postmitotic functions in

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Target Details

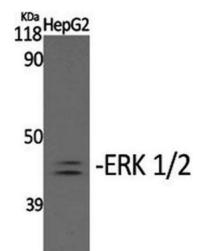
	differentiated cells by phosphorylating a number of transcription factors such as ELK1.
	Phosphorylates EIF4EBP1, required for initiation of translation. Phosphorylates microtubule-
	associated protein 2 (MAP2). Phosphorylates SPZ1 (By similarity). Phosphorylates heat shock
	factor protein 4 (HSF4) and ARHGEF2.Acts as a transcriptional repressor. Binds to a
	[GC]AAA[GC] consensus sequence. Repress the expression of interferon gamma-induced
	genes. Seems to bind to the promoter of CCL5, DMP1, IFIH1, IFITM1, IRF7, IRF9, LAMP3, OAS1,
	OAS2, OAS3 and STAT1. Transcriptional activity is independent of kinase activity.
Molecular Weight:	Observed_MW: 44+42 kDa
	Calculated_MW: 43 kDa
UniProt:	P27361, P28482
Application Details	
Application Notes:	WB 1:500-1:2000, IHC 1:100-1:300, IF 1:200-1:1000, ELISA 1:10000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 0.5 % BSA and 50 % glycerol, pH 7.4
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:	Store at -20°C. Avoid freeze / thaw cycles.

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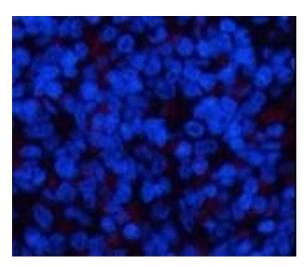
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded Human uterus tissue with Phospho-ERK 1/2 (Tyr204) Polyclonal Antibody at dilution of 1:200



Western Blotting

Image 2. Western Blot analysis of HepG2 cells with Phospho-ERK 1/2 (Tyr204) Polyclonal Antibody at dilution of 1:2000



Immunofluorescence

Image 3. Immunofluorescence analysis of Rat spleen tissue with Phospho-ERK 1/2 (Tyr204) Polyclonal Antibody at dilution of 1:200

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