antibodies - online.com







anti-ERK1/2 antibody (AA 300-380)





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Quantity:	100 μL
Target:	ERK1/2 (MAPK1/3)
Binding Specificity:	AA 300-380
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

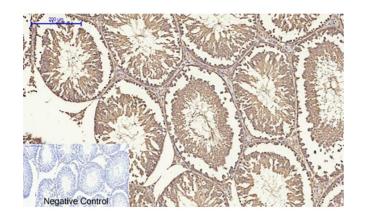
Purpose:	ERK 1/2 Polyclonal Antibody
Immunogen:	Synthesized peptide derived from the C-terminal region of human ERK 1/2 at AA range: 300-380
Isotype:	IgG
Specificity:	ERK 1/2 Polyclonal Antibody detects endogenous levels of ERK 1/2 protein.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen

Target Details

Target:	ERK1/2 (MAPK1/3)
Alternative Name:	ERK 1/2 (MAPK1/3 Products)

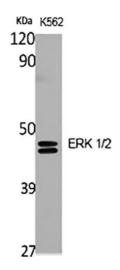
Target Details

Background:	Rabbit Anti-ERK 1/2 Polyclonal Antibody, MAPK3, ERK1, PRKM3, Mitogen-activated protein
	kinase 3, MAP kinase 3, MAPK 3, ERT2, Extracellular signal-regulated kinase 1, ERK-1, Insulin-
	stimulated MAP2 kinase, MAP kinase isoform p44, p44-MAPK, Microtubule-associated protein
	2 kinase, p,Mitogen-activated protein kinase 3 encoded by MAPK3 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.,Mitogen-activated protein kinase 3
Gene ID:	5595
Application Details	
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator. Suggested
	starting dilutions are as follows: WB (1:500-1:2000), IF (1:50-1:200), IHC-P (1:100-1:300), ELISA
	(1:10000). Not yet tested in other applications.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS containing 50 % Glycerol, 0.5 % BSA and 0.02 % 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:	Stable for one year at -20°C from date of shipment. For maximum recovery of product,
	centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid
	repeated freezing and thawing.



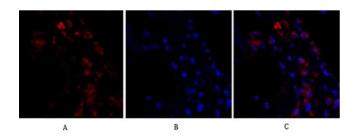
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffinembedded rat testis tissue. 1, ERK 1/2 Polyclonal Antibody was diluted at 1:200 (4 °C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98 °C, 20 min). 3, secondary antibody was diluted at 1:200 (room temperature, 30 min). Negative control was used by secondary antibody only.



Western Blotting

Image 2. Western Blot analysis of various cells using ERK 1/2 Polyclonal Antibody diluted at 1:2000.



Immunofluorescence

Image 3. Immunofluorescence analysis of human lung tissue. 1, ERK 1/2 Polyclonal Antibody (red) was diluted at 1:200 (4 °C, overnight). 2, Cy3 Labeled secondary antibody was diluted at 1:300 (room temperature, 50 min). 3, Picture B: DAPI (blue) 10 min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.

Please check the product details page for more images. Overall 6 images are available for ABIN7206459.