

Datasheet for ABIN3031825
anti-ERK1/2 antibody (N-Term)



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3 Images

Overview

Quantity:	100 µg
Target:	ERK1/2 (MAPK1/3)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ERK1/2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	An amino acid sequence from the N-terminus of human MAPK1/3 (ARVADPDHDHTGFL) was used as the immunogen for this MAPK1/3 antibody (100% homologous in human, mouse and rat).
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	ERK1/2 (MAPK1/3)
Alternative Name:	MAPK1/3 (MAPK1/3 Products)
Background:	MAPK1(ERK2) shares high homology with MAPK3(ERK1). MAP kinase phosphatase as a locus of flexibility in a mitogen-activated protein kinase signaling network. Mitogen-activated

Target Details

protein(MAP) kinases [also known as Erks] have been established to function as important mediators of signal transduction by growth factor receptors. ERK1/ERK2-dependent activation of endogenous ribosomal transcription, while inactivation of ERK1/ERK2 causes an equally immediate reversion to the basal transcription level. ERK1/ERK2 was found to phosphorylate the architectural transcription factor UBF at amino acids 117 and 201 within HMG boxes 1 and 2, preventing their interaction with DNA. Mutation of these sites inhibited transcription activation and abrogated the transcriptional response to ERK1/ERK2.

UniProt: [P28482](#)

Application Details

Application Notes: The stated application concentrations are suggested starting amounts. Titration of the MAPK1/3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL,IHC (Paraffin): 0.5-1 µg/mL

Restrictions: For Research Use only

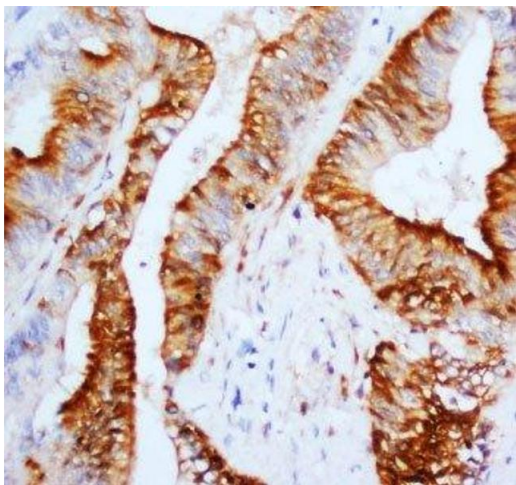
Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

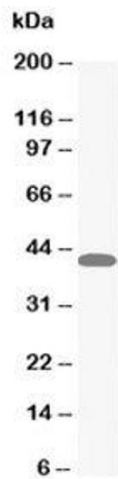
Storage Comment: After reconstitution, the MAPK1/3 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



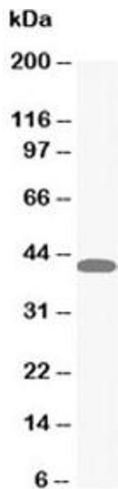
Immunohistochemistry

Image 1. IHC-P: MAPK1/3 antibody testing of human breast cancer tissue



Western Blotting

Image 2. Western blot testing of MAPK1/3 antibody and HeLa cell lysate



Western Blotting

Image 3. Western blot testing of MAPK1/3 antibody and HeLa cell lysate