

## ERK1 Rabbit mAb

Catalog No: #48700



Package Size: #48700-1 50ul #48700-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

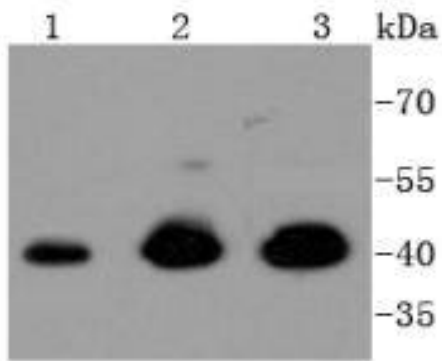
## Description

Product Name	ERK1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SP05-09
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC
Species Reactivity	Human;Mouse;Rat
Immunogen Description	recombinant protein
Conjugates	Unconjugated
Other Names	ERK 1 antibody ERK antibody ERK-1 antibody ERK1 antibody ERT 2 antibody ERT2 antibody Extracellular Signal Regulated Kinase 1 antibody Extracellular signal related kinase 1 antibody Extracellular signal-regulated kinase 1 antibody HGNC6877 antibody HS44KDAP antibody HUMKER1A antibody Insulin Stimulated MAP2 Kinase antibody Insulin-stimulated MAP2 kinase antibody MAP kinase 1 antibody MAP kinase 3 antibody MAP Kinase antibody MAP kinase isoform p44 antibody MAPK 1 antibody MAPK 3 antibody MAPK antibody MAPK1 antibody Mapk3 antibody MGC20180 antibody Microtubule Associated Protein 2 Kinase antibody Microtubule-associated protein 2 kinase antibody Mitogen Activated Protein Kinase 3 antibody Mitogen-activated protein kinase 1 antibody Mitogen-activated protein kinase 3 antibody MK03_HUMAN antibody OTTHUMP00000174538 antibody OTTHUMP00000174541 antibody p44 ERK1 antibody p44 MAPK antibody p44-ERK1 antibody p44-MAPK antibody P44ERK1 antibody P44MAPK antibody PRKM 3 antibody PRKM3 antibody Protein Kinase Mitogen Activated 3 antibody
Accession No.	Swiss-Prot#:P27361
Calculated MW	43 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

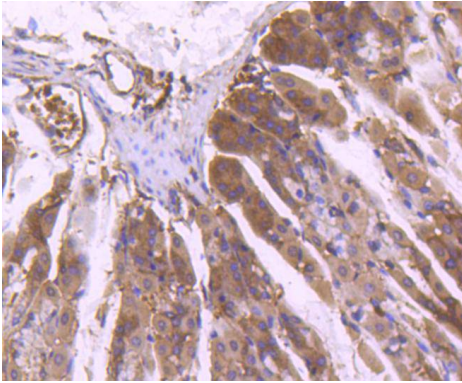
## Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200 ICC: 1:50-1:200

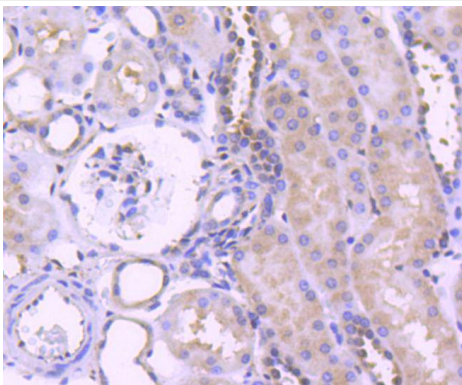
## Images



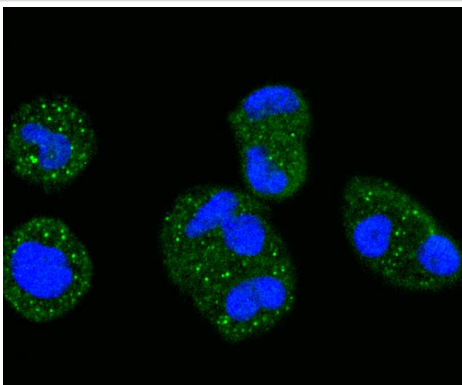
Western blot analysis of ERK1 on different lysates using anti-ERK1 antibody at 1/1,000 dilution. Positive control: Lane 1: Hela Lane 2: Jurkat Lane 3: K562



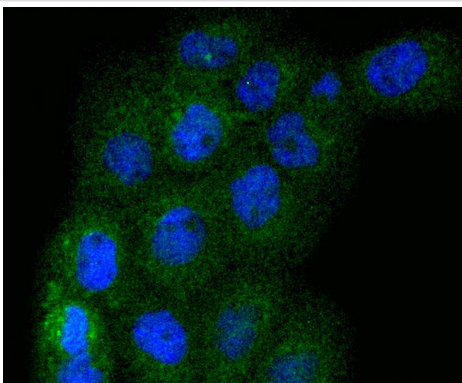
Immunohistochemical analysis of paraffin-embedded mouse stomach tissue using anti-ERK1 antibody. Counter stained with hematoxylin.



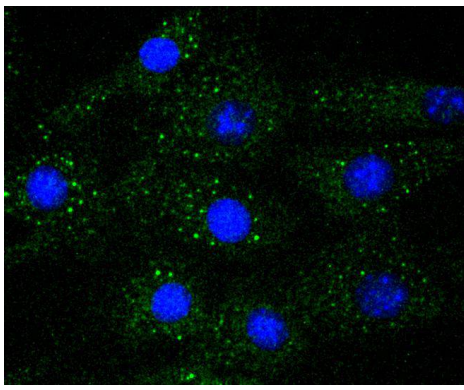
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-ERK1 antibody. Counter stained with hematoxylin.



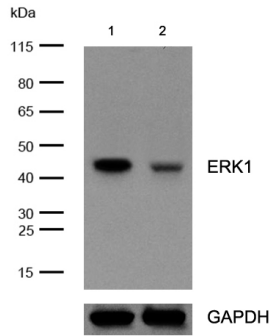
ICC staining ERK1 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



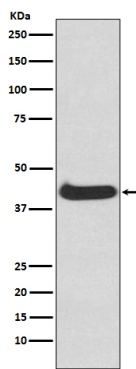
ICC staining ERK1 in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining ERK1 in NIH/3T3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



All lanes : ERK1 Rabbit mAb at 1/1k dilution  
 Lane 1 : Wild-type HCT-116 cell lysate  
 Lane 2 : ERK1 knockout HCT-116 cell lysate  
 Lysates/proteins at 20 µg per lane.



Western blot analysis of ERK1 in NIH-3T3 cell lysate.

## Background

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## References

1. Tor YS et al. Induction of Apoptosis in MCF-7 Cells via Oxidative Stress Generation, Mitochondria-Dependent and Caspase-Independent Pathway by Ethyl Acetate Extract of *Dillenia suffruticosa* and Its Chemical Profile. *PLoS One* 10:e0127441 (2015).
2. Dakhova O et al. Global gene expression analysis of reactive stroma in prostate cancer. *Clin Cancer Res* 15:3979-89 (2009).

## Published Papers

θ εζΑ§ζ' ; ζ• ε• θ ³;Jianqiao Dong;Li Kunyan;Li Jing;Wang Bin;Wang Yanhong;Jia Hongyan;Dong Jianqiao;DONG Jianqiao;LI Kunyan;LI Jing;WANG Bin;WANG Yanhong;JIA Hongyan;θ εζΑ§ζ' ;ζ• ε• θ ³;ζ• θ• • ;η ζ ;η θ ³η' ;θ~Υ η'η el at., A study on mechanism of SIRT3 inducing endocrine drug resistance in breast cancer via deacetylating YME1L1, , (2024)

PMID:

Note: This product is for in vitro research use only and is not intended for use in humans or animals.