

ERK2 Polyclonal Antibody

Catalog No: #27517



Package Size: #27517-1 50ul #27517-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

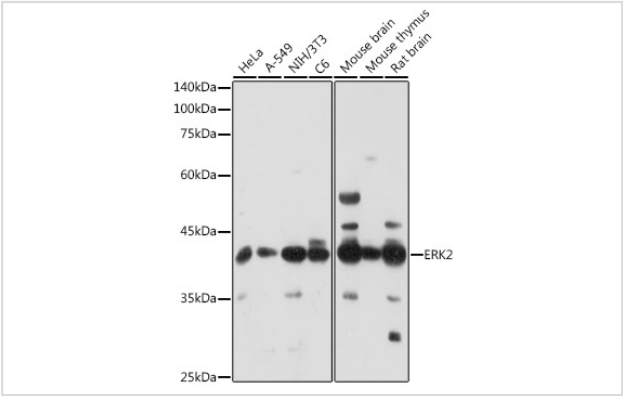
Description

Product Name	ERK2 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic peptide of human ERK2 (NP_620407.1).
Other Names	ERK;ERK-2;ERK2;ERT1;MAPK2;P42MAPK;PRKM1;PRKM2;p38;p40;p41;p41mapk;p42-MAPK;MAPK1
Accession No.	Uniprot:P28482GenelD:5594
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GenelD	5594
Calculated MW	40kDa
SDS-PAGE MW	42KDa
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

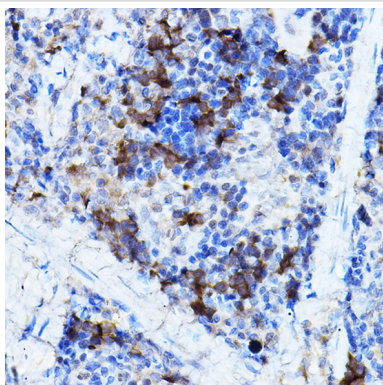
Application Details

WB 1:500 - 1:2000IHC 1:50 - 1:200IF 1:50 - 1:200

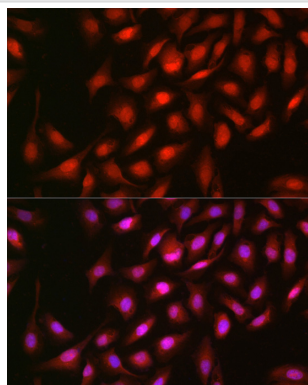
Images



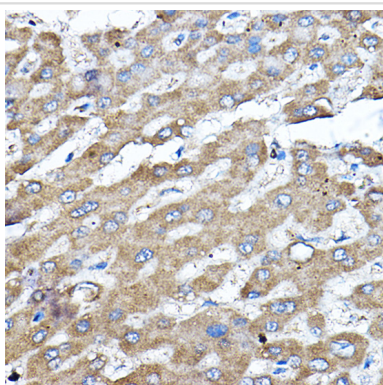
Western blot analysis of extracts of various cell lines, using ERK2 antibody.



Immunohistochemistry of paraffin-embedded rat spleen using [KO Validated] ERK2 Rabbit pAb.



Immunofluorescence analysis of U-2 OS cells using [KO Validated] ERK2 Rabbit pAb.



Immunohistochemistry of paraffin-embedded human liver using [KO Validated] ERK2 Rabbit pAb.

Background

This gene encodes a member of the MAP kinase family. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. The activation of this kinase requires its phosphorylation by upstream kinases. Upon activation, this kinase translocates to the nucleus of the stimulated cells, where it phosphorylates nuclear targets. One study also suggests that this protein acts as a transcriptional repressor independent of its kinase activity. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. Two alternatively spliced transcript variants encoding the same protein, but differing in the UTRs, have been reported for this gene.

Note: This product is for in vitro research use only