

Anti-ERK1 Rabbit pAb



WL01770

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-ERK1 Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat	
Tested applications	WB	1:500-1:1000
	IHC	1:500
	IF	1:500
Cellular localization	Secreted and Cell membrane	
Pack size	50/100/200/500/1000µl	
Storage	Store at -20°C. Avoid freeze/thaw cycles.	
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide	

General Information

Background

ERK1 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. ERKs are a widely conserved family of serine/threonine protein kinases. The p44/42 MAPK (Erk1/2) signaling pathway can be activated in response to a diverse range of extracellular stimuli including mitogens, growth factors, and cytokines, and research investigators consider it an important target in the diagnosis and treatment of cancer.

Immunogen

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of ERK1.

Purification

Polyclonal antibody was purified by immunogen affinity chromatography.

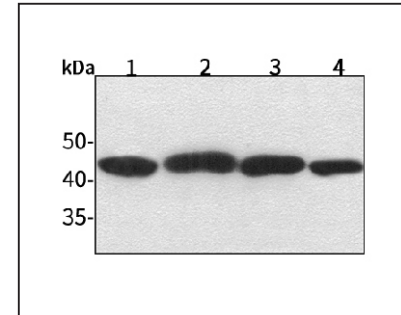
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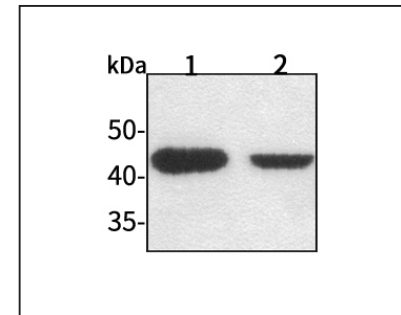
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Product Images



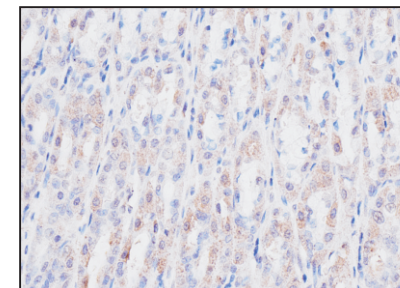
Western blot-Anti-ERK1 pAb

Lane 1: Human HepG2 cell lysate
 Lane 2: Human Hela cell lysate
 Lane 3: Human BGC-823 cell lysate
 Lane 4: Human MGC-803 cell lysate
 All lanes: Anti-ERK1 at 1:1000 dilution
 Lysates/proteins at 20-50 µg per lane.
 Predicted band size: 44 kDa
 Observed band size: 44 kDa



Western blot-Anti-ERK1 pAb

Lane 1: Mouse heart tissue lysate
 Lane 2: Rat skin tissue lysate
 All lanes: Anti-ERK1 at 1:1000 dilution
 Lysates/proteins at 20-50 µg per lane.
 Predicted band size: 44 kDa
 Observed band size: 44 kDa



Immunohistochemistry-Anti-ERK1 pAb

Immunohistochemical analysis of paraffin-embedded rat stomach using anti-ERK1 Rabbit Antibody at 1:500 dilution. Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

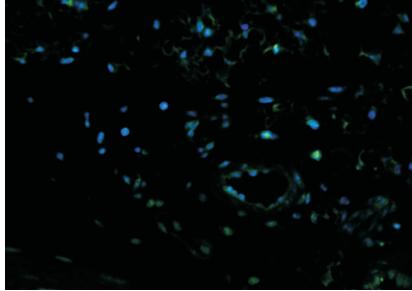
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Immunofluorescence-Anti-ERK1 pAb

Immunofluorescence analysis of paraffin-embedded mouse stomach using anti-ERK1 Rabbit Antibody at 1:500 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0