

For Research Use Only

ERK1/2 Monoclonal antibody

Catalog Number:60929-1-Ig



Basic Information

Catalog Number: 60929-1-Ig	GenBank Accession Number: BC017832	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 5594	CloneNo.: 1A4H10
Source: Mouse	UNIPROT ID: P28482	Recommended Dilutions: WB: 1:5000-1:50000
Isotype: IgG2a	Full Name: mitogen-activated protein kinase 1	
	Calculated MW: 360 aa, 41 kDa	
	Observed MW: 38-44 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells, HEK-293 cells, MCF-7 cells, HUVEC cells, COLO 320 cells, HepG2 cells, MOLT-4 cells, HSC-T6 cells, RAW 264.7 cells
Species Specificity: human, mouse, rat	

Background Information

ERK1 and ERK2 belong to the protein kinase superfamily. It is involved in both the initiation and regulation of meiosis, mitosis, and postmitotic functions in differentiated cells by phosphorylating a number of transcription factors such as ELK-1. ERK1/2 catalyzed the reaction: ATP + a protein = ADP + a phosphoprotein. It is activated by tyrosine phosphorylation in response to INS and NGF. This antibody can recognize both ERK1 and ERK2 with a molecular mass of 38-44 kDa.

Storage

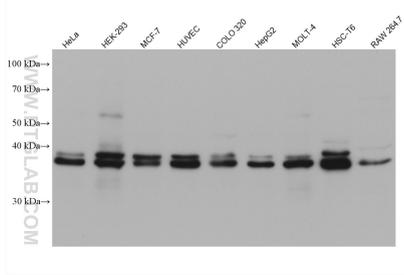
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 60929-1-Ig (ERK1/2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.