antibodies -online.com









Overview

Quantity:	100 μL
Target:	ERK1 (MAPK3)
Binding Specificity:	AA 75-312
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ERK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Monoclonal Antibody to Extracellular Signal Regulated Kinase 1 (ERK1)
Immunogen:	Recombinant Extracellular Signal Regulated Kinase 1 (ERK1) corresdonding to Pro75~Thr312 with N-terminal His Tag
Clone:	C3
Isotype:	IgG2a kappa
Specificity:	The antibody is a mouse monoclonal antibody raised against ERK1. It has been selected for its ability to recognize ERK1 in immunohistochemical staining and western blotting.
Purification:	Protein A + Protein G affinity chromatography

Target Details

Target:	ERK1 (MAPK3)
Alternative Name:	Extracellular Signal Regulated Kinase 1 (MAPK3 Products)
Background:	HS44KDAP, HUMKER1A, P44ERK1, P44MAPK, PRKM3, MAPK3, ERT2, Mitogen-Activated Protein Kinase 3, Insulin-stimulated MAP2 kinase, Microtubule-associated protein 2 kinase
Pathways:	MAPK Signaling, RTK Signaling, Interferon-gamma Pathway, Fc-epsilon Receptor Signaling Pathway, Neurotrophin Signaling Pathway, Response to Growth Hormone Stimulus, Activation of Innate immune Response, Cellular Response to Molecule of Bacterial Origin, Hepatitis C, Protein targeting to Nucleus, Toll-Like Receptors Cascades, Signaling Events mediated by VEGFR1 and VEGFR2, Signaling of Hepatocyte Growth Factor Receptor, VEGFR1 Specific Signals, S100 Proteins

Application Details

Application Notes:	Western blotting: 0.5-2 μg/mL
	1:500-2000 Immunohistochemistry: 5-20 μg/mL
	1:50-200 Immunocytochemistry: 5-20 μg/mL
	1:50-200 Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated
	thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious
	degradation and precipitation were observed. The loss rate is less than 5% within the expiration
	date under appropriate storage condition.
Restrictions:	For Research Use only

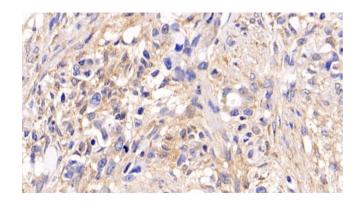
Handling

Format:	Liquid
Buffer:	PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.

Expiry Date:

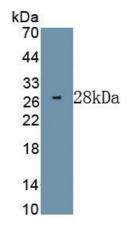
24 months

Images



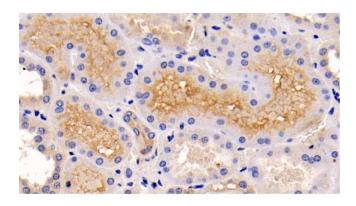
Immunohistochemistry

Image 1. Detection of ERK1 in Human Ovarian cancer Tissue using Monoclonal Antibody to Extracellular Signal Regulated Kinase 1 (ERK1)



Western Blotting

Image 2. Detection of Recombinant ERK1, Human using Monoclonal Antibody to Extracellular Signal Regulated Kinase 1 (ERK1)



Immunohistochemistry

Image 3. Detection of ERK1 in Human Kidney Tissue using Monoclonal Antibody to Extracellular Signal Regulated Kinase 1 (ERK1)

Please check the product details page for more images. Overall 6 images are available for ABIN7426271.