

Datasheet for ABIN7433528
anti-ERK1 antibody (AA 75-312)

7 Images

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Overview

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

Product Details

Purpose:	Polyclonal Antibody to Extracellular Signal Regulated Kinase 1 (ERK1)
Immunogen:	Recombinant Extracellular Signal Regulated Kinase 1 (ERK1) corresponding to Pro75~Thr312 with N-terminal His Tag
Isotype:	IgG
Specificity:	The antibody is a rabbit polyclonal antibody raised against ERK1. It has been selected for its ability to recognize ERK1 in immunohistochemical staining and western blotting.
Cross-Reactivity:	Chicken, Dog, Goat, Guinea Pig, Horse, Mouse, Pig, Rat, Sheep
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Target Details

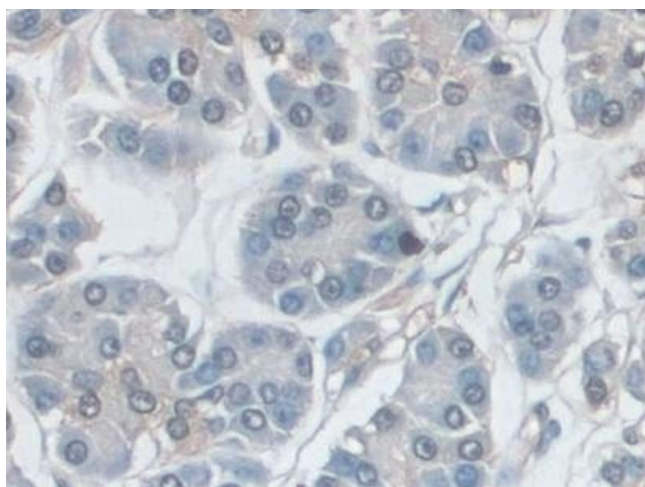
Target:	ERK1 (MAPK3)
Alternative Name:	Extracellular Signal Regulated Kinase 1 (MAPK3 Products)
Background:	HS44KDAP, HUMKER1A, P44ERK1, P44MAPK, PRKM3, MAPK3, ERT2, Mitogen-Activated Protein Kinase 3, Insulin-stimulated MAP2 kinase, Microtubule-associated protein 2 kinase
Pathways:	MAPK Signaling , 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

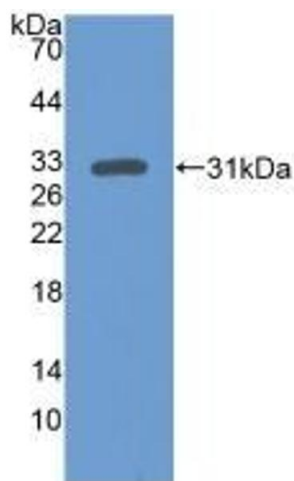
Handling

Format:	Liquid
Buffer:	0.01M PBS, pH 7.4, containing 0.05 % Proclin-300, 50 % glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: 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.



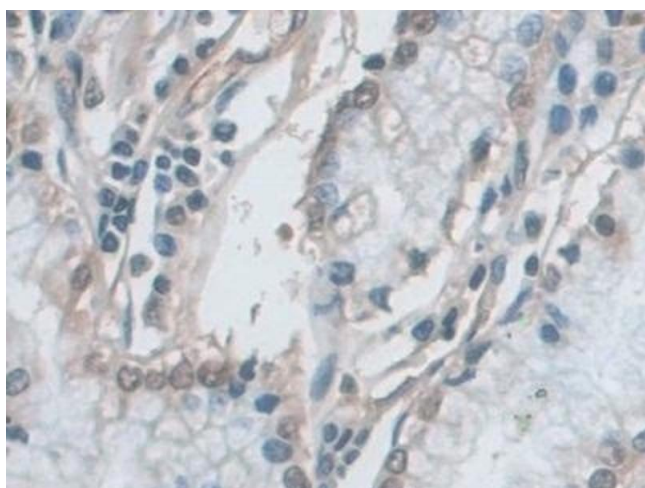
Immunohistochemistry

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



Western Blotting

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



Immunohistochemistry

Image 3. Detection of ERK1 in Human Stomach cancer Tissue using Polyclonal Antibody to Extracellular Signal Regulated Kinase 1 (ERK1)

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN7433528.