



Datasheet for ABIN7426124 **anti-ERK2 antibody (AA 25-360)**



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4 Images

Overview

Quantity:	100 µL
Target:	ERK2 (MAPK1)
Binding Specificity:	AA 25-360
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ERK2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Monoclonal Antibody to Extracellular Signal Regulated Kinase 2 (ERK2)
Immunogen:	Recombinant Extracellular Signal Regulated Kinase 2 (ERK2) corresponding to Tyr25~Ser360 with N-terminal His Tag
Clone:	C1
Isotype:	IgG2a kappa
Specificity:	The antibody is a mouse monoclonal antibody raised against ERK2. It has been selected for its ability to recognize ERK2 in immunohistochemical staining and western blotting.
Cross-Reactivity:	Chicken, Cow, Dog, Goat, Guinea Pig, Mouse, Pig, Rat, Sheep
Purification:	Protein A + Protein G affinity chromatography

Target Details

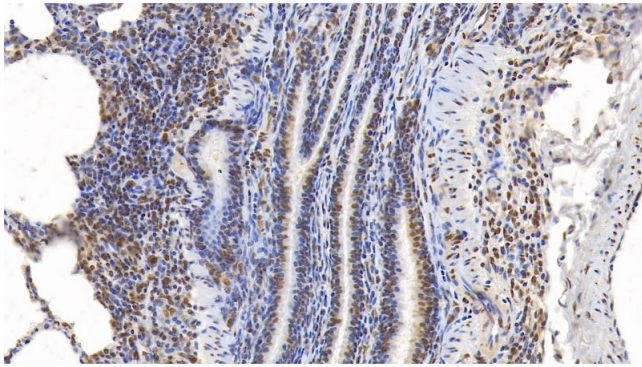
Target:	ERK2 (MAPK1)
Alternative Name:	Extracellular Signal Regulated Kinase 2 (MAPK1 Products)
Background:	MAPK1, P38, P40, ERK2, ERT1, MAPK2, P42MAPK, P42-MAPK, PRKM1, PRKM2, P41, P41mapk, P41-mapk, Mitogen-Activated Protein Kinase 1, Mitogen-activated protein kinase 2
Pathways:	MAPK Signaling , RTK Signaling , Apoptosis , Interferon-gamma Pathway , Fc-epsilon Receptor 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 , Monocarboxylic Acid Catabolic Process , Autophagy , G-protein mediated Events , Signaling Events mediated by VEGFR1 and VEGFR2 , Signaling of Hepatocyte Growth Factor Receptor , VEGFR1 Specific Signals , BCR Signaling , S100 Proteins

Application Details

Application Notes:	Western blotting: 0.2-1 µg/mL Immunohistochemistry: 5-20 µg/mL Immunocytochemistry: 5-20 µg/mL 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

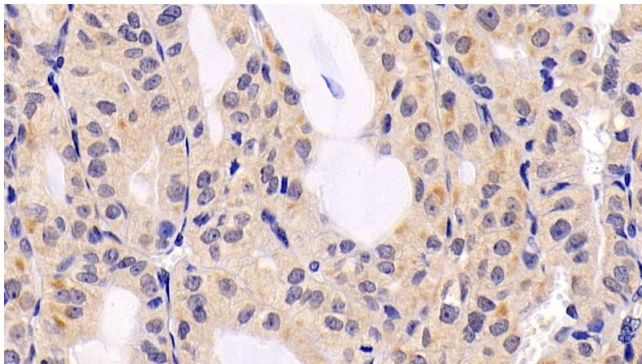
Handling

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.



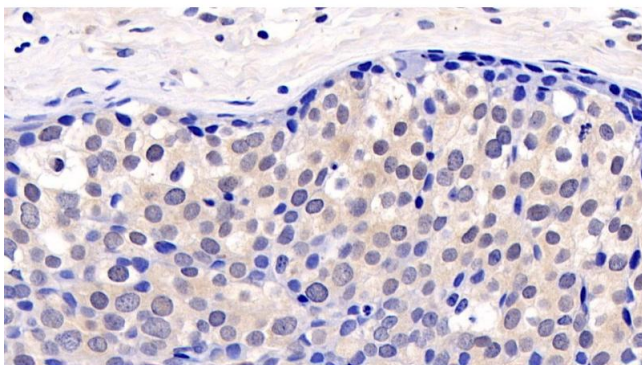
Immunohistochemistry

Image 1. Detection of ERK2 in Porcine Lung Tissue using Monoclonal Antibody to Extracellular Signal Regulated Kinase 2 (ERK2)



Immunohistochemistry

Image 2. Detection of ERK2 in Human Thyroid cancer Tissue using Monoclonal Antibody to Extracellular Signal Regulated Kinase 2 (ERK2)



Immunohistochemistry

Image 3. Detection of ERK2 in Human Breast cancer Tissue using Monoclonal Antibody to Extracellular Signal Regulated Kinase 2 (ERK2)

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7426124.