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## anti-MAPK7 antibody (C-Term)





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Overview	
Quantity:	400 μL
Target:	MAPK7
Binding Specificity:	AA 527-557, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAPK7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	This ERK4 antibody is generated from rabbits immunized with a KLH conjugated synthetic
	peptide between 527-557 amino acids from the C-terminal region of human ERK4.
Clone:	RB0917
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by
	dialysis against PBS.
Target Details	
Target:	MAPK7
Alternative Name:	ERK4 (MAPK7 Products)

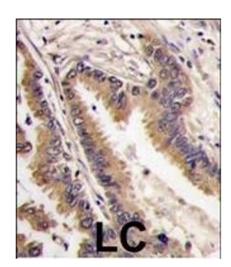
### Target Details

Background:	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor,
	generally the g phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this
	basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells,
	regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement
	and cell movement, apoptosis, and differentiation. With more than 500 gene products, the
	protein kinase family is one of the largest families of proteins in eukaryotes. The family has
	been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or
	serine/threonine (STK) kinase catalytic domains. The CMGC group consists of 60 kinases
	including the cyclin-dependent kinase (CDK) and close relatives family, the MAP kinase (ERK)
	family, the glycogen synthase kinase 3 (GSK3) family, and the Cdc2-like kinase (CLK) family.
Molecular Weight:	65922
Gene ID:	5596
NCBI Accession:	NP_002738
UniProt:	P31152
Pathways:	MAPK Signaling, Neurotrophin Signaling Pathway, Activation of Innate immune Response,
	cAMP Metabolic Process, Toll-Like Receptors Cascades, Negative Regulation of intrinsic
	apoptotic Signaling
Application Details	
Application Notes:	WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in smal
	aliquots to prevent freeze-thaw cycles.

Expiry Date:

6 months

#### **Images**



#### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with ERK4 antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.

#### **Western Blotting**

**Image 2.** Western blot analysis of anti-ERK4 Pab (ABIN391721 and ABIN2841611) in mouse brain tissue lysate. ERK4 (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.