

Datasheet for ABIN391722
anti-MAPK7 antibody (C-Term)[Go to Product page](#)

3 Images

Overview

Quantity:	400 µL
Target:	MAPK7
Binding Specificity:	AA 776-805, C-Term
Reactivity:	Human
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 MAPK7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 776-805 amino acids from the C-terminal region of human MAPK7.
Clone:	RB0919
Isotype:	Ig Fraction
Predicted Reactivity:	B, M, Rat
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	MAPK7
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Target Details

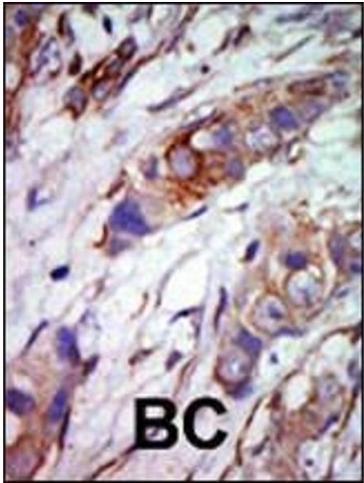
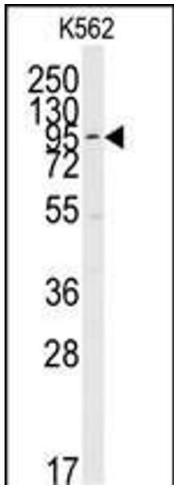
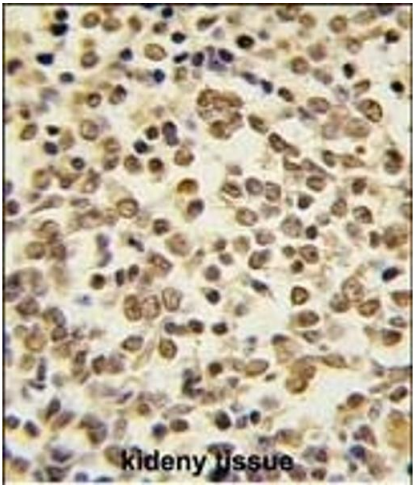
Alternative Name:	ERK5 (MAPK7 Products)
Background:	MEK5 and ERK5, a member of the MAP kinase subfamily of the Ser/Thr protein kinases, interact specifically with one another and not with MEK1/ERK1 or MEK2/ERK2 pathways. ERK5 is activated by tyrosine and threonine phosphorylation. It is expressed in many adult tissues, abundantly in heart, placenta, lung, kidney and skeletal muscle, but is not detectable in liver. The second proline-rich region may interact with actin targeting the kinase to a specific location in the cell. ERK5 is autophosphorylated on threonine and tyrosine residues when the C-terminal part of the kinase, which could have a regulatory role, is absent.
Molecular Weight:	88386
Gene ID:	5598
NCBI Accession:	NP_002740 , NP_620601 , NP_620602 , NP_620603
UniProt:	Q13164
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: 1:50~100. IHC-P: 1:50~100
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 small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human kidney carcinoma tissue reacted with ERK5 Antibody (C-term) (ABIN391722 and ABIN2841612), 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-ERK5 C-term Pab (ABIN391722 and ABIN2841612) in K562 cell line lysates (35 µg/lane). ERK5 (arrow) was detected using the purified Pab.

Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.