



Datasheet for ABIN7308004  
**anti-MAPK7 antibody**



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3 Images

Overview

Quantity:	100 µL
Target:	MAPK7
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAPK7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunochromatography (IC)

Product Details

Purpose:	Rabbit polyclonal antibody to ERK5
Immunogen:	Recombinant full length protein of human ERK5
Specificity:	Recognizes endogenous levels of ERK5 protein.
Characteristics:	Rabbit polyclonal antibody to ERK5
Purification:	The antibody was purified by immunogen affinity chromatography.

Target Details

Target:	MAPK7
Alternative Name:	ERK5 ( <a href="#">MAPK7 Products</a> )
Background:	BMK1, ERK5, PRKM7, Mitogen-activated protein kinase 7, MAP kinase 7, MAPK 7, Big MAP

## Target Details

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kinase 1, BMK-1, Extracellular signal-regulated kinase 5, ERK-5

Gene ID: 5598, 23939

UniProt: [Q13164](#), [Q9WVS8](#), [P0C865](#)

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

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Application Notes: WB (1:500 - 1:2000), IH (1:50 - 1:200), IF/IC (1:50 - 1:200)

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % sodium azide.

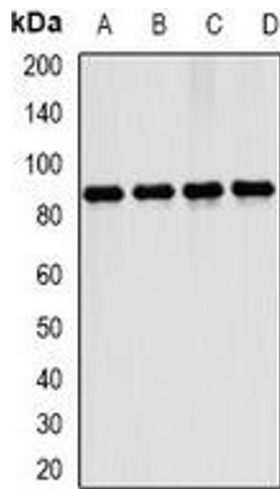
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

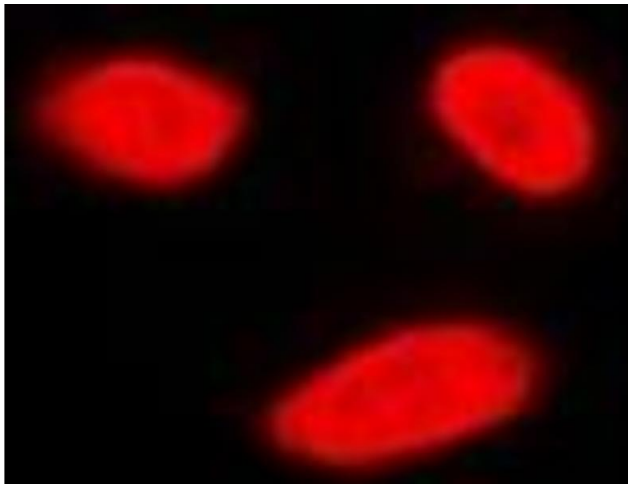
Storage Comment: Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.

Expiry Date: 12 months



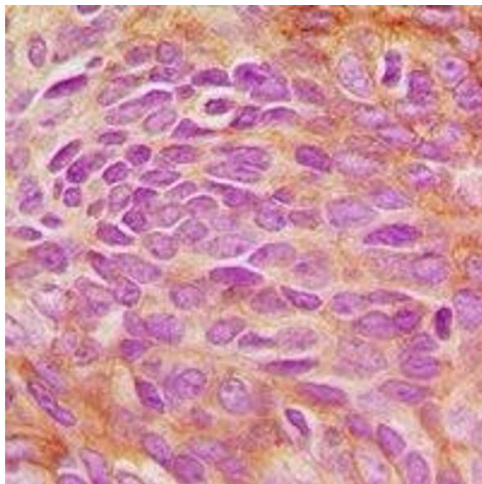
### Western Blotting

**Image 1.** Western blot analysis of ERK5 expression in K562 (A), Ramos (B), mouse brain (C), mouse lung (D) whole cell lysates.



### Immunofluorescence

**Image 2.** Immunofluorescent analysis of ERK5 staining in K562 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody i



### Immunohistochemistry

**Image 3.** Immunohistochemical analysis of ERK5 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated wit