

Datasheet for ABIN3031834  
**anti-MAPK7 antibody (AA 776-805)**[Go to Product page](#)

## 5 Images

## Overview

Quantity:	0.4 mL
Target:	MAPK7
Binding Specificity:	AA 776-805
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAPK7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

## Product Details

Immunogen:	A portion of amino acids 776-805 from the human protein was used as the immunogen for this ERK5 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Mouse, Rat, Bovine
Purification:	Purified

## Target Details

Target:	MAPK7
Alternative Name:	ERK5 ( <a href="#">MAPK7 Products</a> )
Background:	MEK5 and ERK5, a member of the MAP kinase subfamily of the Ser/Thr protein kinases,

## Target Details

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.

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: Titration of the ERK5 antibody may be required due to differences in protocols and secondary/substrate sensitivity. \. Western blot: 1:1000, IHC (Paraffin): 1:50-1:100

Restrictions: For Research Use only

## Handling

Format: Liquid

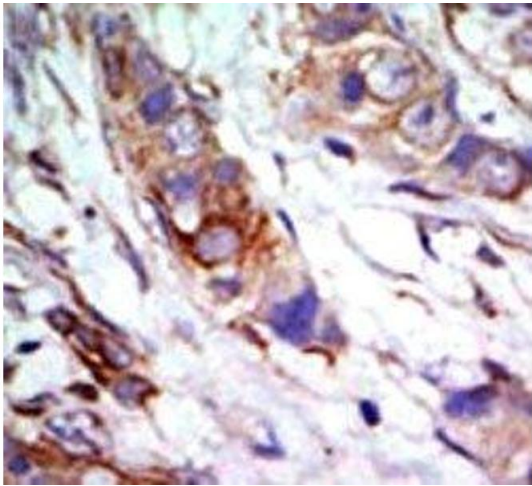
Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

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

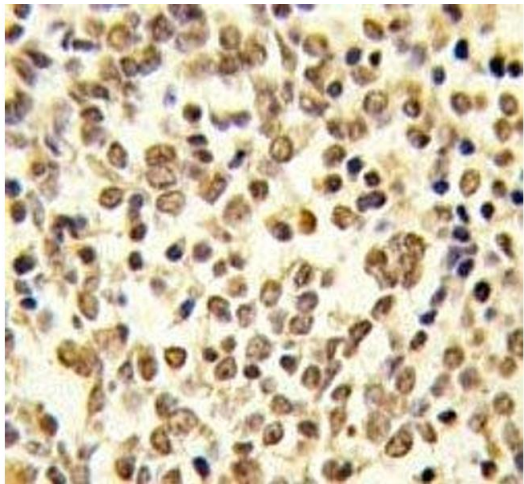
Storage: -20 °C

Storage Comment: Aliquot the ERK5 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



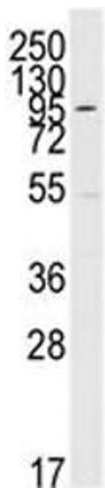
Immunohistochemistry

**Image 1.** IHC analysis of FFPE human breast carcinoma tissue stained with the ERK5 antibody



Immunohistochemistry

**Image 2.** IHC analysis of FFPE human kidney carcinoma tissue stained with ERK5 antibody



Western Blotting

**Image 3.** Western blot analysis of ERK5 antibody and K562 lysate

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3031834.