Datasheet for ABIN7101595

anti-MAPK7 antibody

5 Images

Go to Product page

Overview

Quantity:	20 µL
Target:	MAPK7
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This MAPK7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	A synthesized peptide derived from human ERK5
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	MAPK7
Alternative Name:	MAPK7 (MAPK7 Products)
Background:	The protein encoded by this gene is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of

Target Details

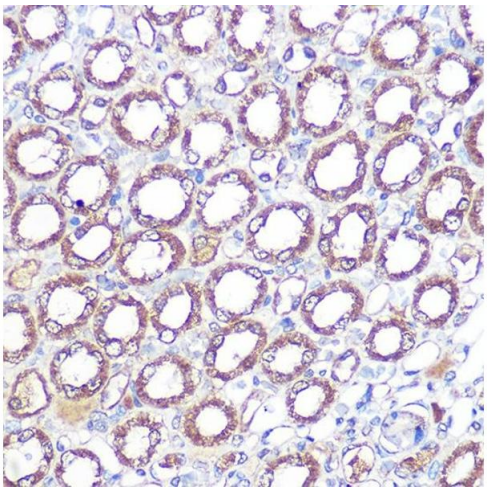
	cellular processes such as proliferation, differentiation, transcription regulation and development. This kinase is specifically activated by mitogen-activated protein kinase kinase 5 (MAP2K5/MEK5). It is involved in the downstream signaling processes of various receptor molecules including receptor type kinases, and G protein-coupled receptors. In response to extracelluar signals, this kinase translocates to cell nucleus, where it regulates gene expression by phosphorylating, and activating different transcription factors. Four alternatively spliced transcript variants of this gene encoding two distinct isoforms have been reported. [provided by RefSeq, Jul 2008],BMK1, ERK4, ERK5, PRKM7,Angiogenesis,Cardiovascular,Cell Biology & Developmental Biology,Cytoskeleton_Microtubules,Epigenetics & Nuclear Signaling,ErbB-HER Signaling Pathway,G protein signaling,G protein signaling_G-Protein-Coupled Receptors Signaling to MAPK/Erk,IL-6 Receptor Signaling Pathway,Immunology & Inflammation,Kinase,Kinase_Serine/threonine kinases,mTOR Signaling Pathway,Neuroscience,Signal Transduction,Translation Control,Translational Control_Regulation of eIF4 and p70 S6 Kinase,MAPK7
Molecular Weight:	115 kDa
Gene ID:	5598
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,1:500 - 1:2000,IHC,1:50 - 1:200
Restrictions:	For Research Use only

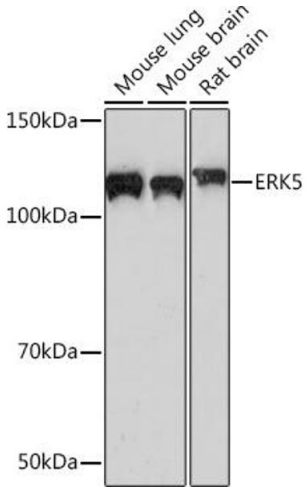
Handling

Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
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:	Store at -20°C. Avoid freeze / thaw cycles.



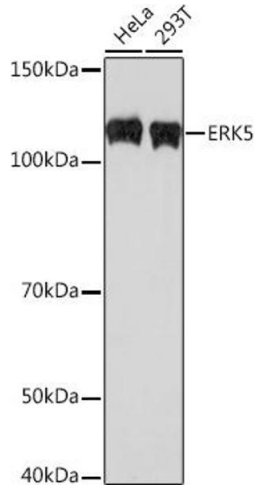
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded mouse kidney using ERK5 Rabbit mAb (ABIN1680723, ABIN3018327, ABIN3018328 and ABIN7101595) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using ERK5 Rabbit mAb (ABIN1680723, ABIN3018327, ABIN3018328 and ABIN7101595) at 1:500 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 3 min.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using ERK5 Rabbit mAb (ABIN1680723, ABIN3018327, ABIN3018328 and ABIN7101595) at 1:500 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 3 min.

Please check the product details page for more images. Overall 5 images are available for ABIN7101595.