

Datasheet for ABIN754288
anti-MAPK7 antibody (AA 401-500)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	MAPK7
Binding Specificity:	AA 401-500
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAPK7 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin- embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ERK4
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Dog,Cow,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	MAPK7
---------	-------

Target Details

Alternative Name:	ERK4 (MAPK7 Products)
Background:	<p>Synonyms: ERK4, ERK-4, PRKM4, p63MAPK, p63-MAPK, Mitogen-activated protein kinase 4, MAP kinase 4, MAPK 4, Extracellular signal-regulated kinase 4, MAP kinase isoform p63, MAPK4</p> <p>Background: Atypical MAPK protein. Phosphorylates microtubule-associated protein 2 (MAP2) and MAPKAPK5. The precise role of the complex formed with MAPKAPK5 is still unclear, but the complex follows a complex set of phosphorylation events: upon interaction with atypical MAPKAPK5, ERK4/MAPK4 is phosphorylated at Ser-186 and then mediates phosphorylation and activation of MAPKAPK5, which in turn phosphorylates ERK4/MAPK4. May promote entry in the cell cycle (By similarity).</p>
Gene ID:	5596
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 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

Handling

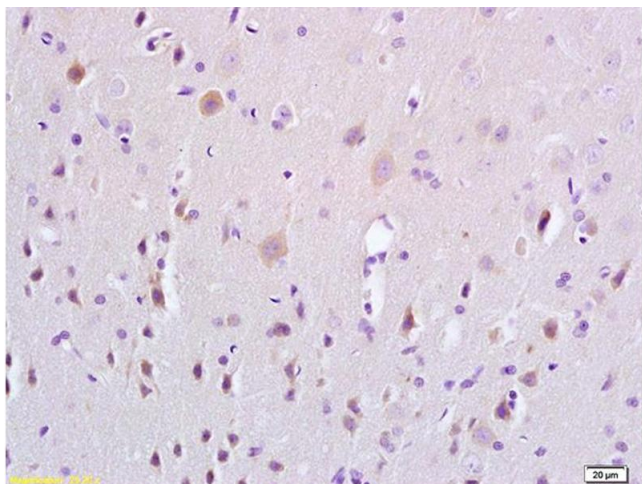
handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

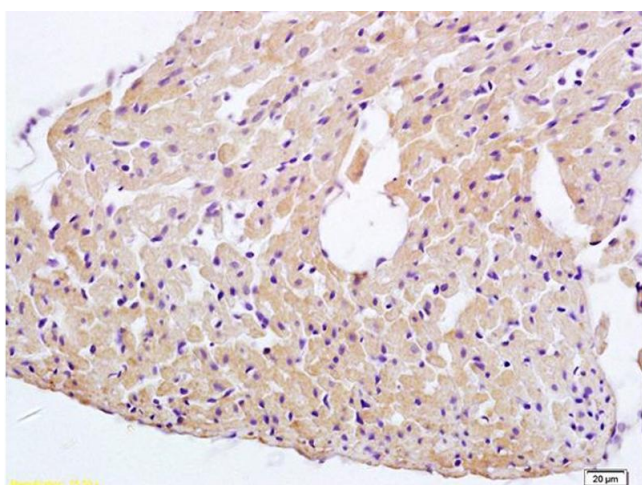
Expiry Date: 12 months

Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded rat brain tissue labeled with Anti-ERK4 Polyclonal Antibody, Unconjugated (ABIN754288) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded rat heart tissue labeled with Anti-ERK4 Polyclonal Antibody, Unconjugated (ABIN754288) at 1:200 followed by conjugation to the secondary antibody and DAB staining