

Datasheet for ABIN7160003
anti-MAPK4 antibody (AA 348-587)[Go to Product page](#)

3 Images

Overview

Quantity:	100 µL
Target:	MAPK4
Binding Specificity:	AA 348-587
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAPK4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Mitogen-activated protein kinase 4 protein (348-587AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Antigen Affinity Purified

Target Details

Target:	MAPK4
Alternative Name:	MAPK4 (MAPK4 Products)
Background:	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

Target Details

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.

Aliases: ERK-4 antibody, ERK3 antibody, Erk3 related antibody, ERK4 antibody, Extracellular signal regulated kinase 4 antibody, Extracellular signal-regulated kinase 4 antibody, MAP kinase 4 antibody, MAP kinase isoform p63 antibody, MAPK 4 antibody, MAPK4 antibody, Mitogen activated protein kinase 4 antibody, Mitogen-activated protein kinase 4 antibody, MK04_HUMAN antibody, p63 MAPK antibody, p63-MAPK antibody, p63MAPK antibody, PRKM4 antibody, Protein kinase, mitogen-activated, 4 antibody, Protein-tyrosine kinase ERK3-related antibody, RMNK2 antibody

UniProt: [P31152](#)

Pathways: [MAPK Signaling](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:2000, IHC:1:20-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

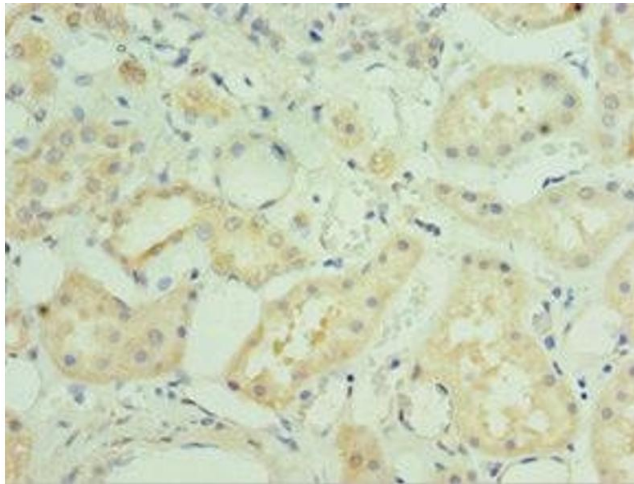
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

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

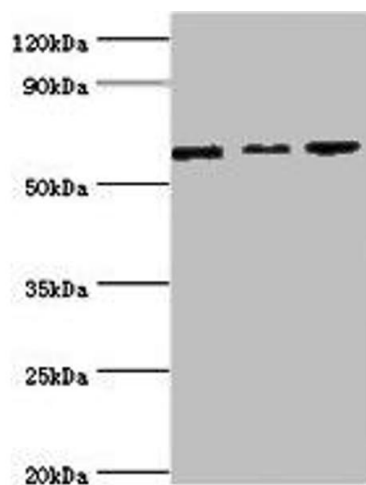
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



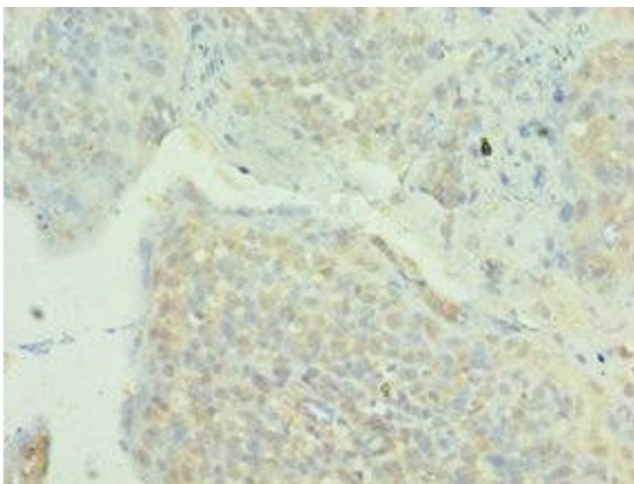
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human kidney tissue using ABIN7160003 at dilution of 1:100



Western Blotting

Image 2. Western blot All lanes: MAPK4 ntibody at 6 µg/mL
Lane 1: Mouse brain tissue Lane 2: 293T whole cell lysate
Lane 3: Jurkat whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 66 kDa
Observed band size: 66 kDa



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human tonsil tissue using ABIN7160003 at dilution of 1:100