

Datasheet for ABIN653817
anti-MAP4K3 antibody

3 Images

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Overview

Quantity:	400 µL
Target:	MAP4K3
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAP4K3 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This MAP4K3 antibody is generated from rabbits immunized with a recombinant protein of human MAP4K3.
Clone:	RB22192
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	MAP4K3
Alternative Name:	MAP4K3 (MAP4K3 Products)
Background:	MAP4K3 encodes a member of the Ste20 family of serine/threonine protein kinases. The protein belongs to the subfamily that consists of members, such as germinal center kinase

Target Details

(GCK), that are characterized by an N-terminal catalytic domain and C-terminal regulatory domain. The kinase activity of the encoded protein can be stimulated by UV radiation and tumor necrosis factor- α . The protein specifically activates the c-Jun N-terminal kinase (JNK) signaling pathway. Evidence suggests that it functions upstream of mitogen-activated protein kinase kinase kinase 1 (MEKK1). This gene previously was referred to as RAB8-interacting protein-like 1 (RAB8IPL1), but it has been renamed mitogen-activated protein kinase kinase kinase 3 (MAP4K3).

Molecular Weight: 101316

Gene ID: 8491

NCBI Accession: [NP_001257354](#), [NP_003609](#)

UniProt: [Q8IVH8](#)

Pathways: [MAPK Signaling](#)

Application Details

Application Notes: WB: 1:1000. IHC-P: 1:10~50. FC: 1:10~50

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

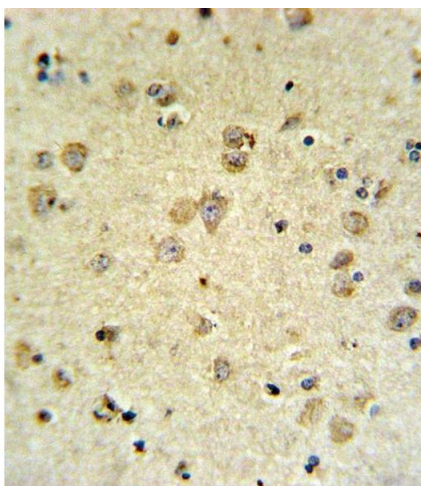
Preservative: Sodium azide

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

Storage: 4 °C,-20 °C

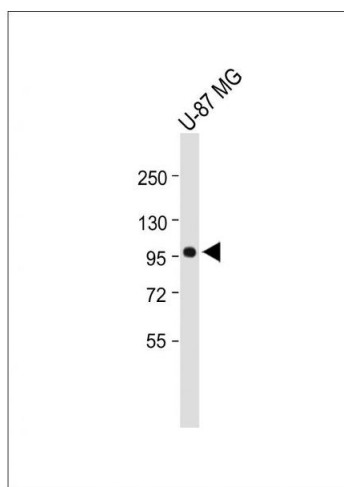
Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



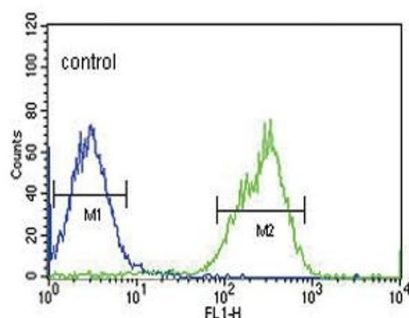
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. P4K3 Antibody (ABIN653817 and ABIN2843090) IHC analysis in forlin fixed and paraffin embedded brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the P4K3 Antibody for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 2. Anti-P4K3 Antibody at 1:1000 dilution + U-87 MG whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 101 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.



Flow Cytometry

Image 3. P4K3 Antibody (ABIN653817 and ABIN2843090) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.