

# Anti-MAP4K1/HPK1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

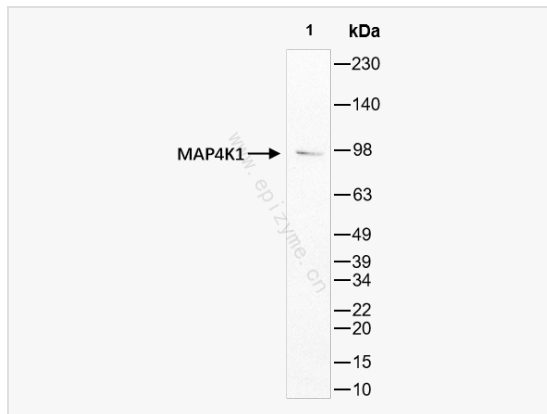
Catalog # R016059

## Product Information

|             |                                                                                                                             |
|-------------|-----------------------------------------------------------------------------------------------------------------------------|
| Application | WB, IHC-P/IF (Tissue-P), ELISA                                                                                              |
| Reactivity  | Human                                                                                                                       |
| Dilution    | WB 1:1,000~1:8,000; IHC-P 1:100~1:200; IF 1:100~1:200                                                                       |
| Host        | Rabbit                                                                                                                      |
| Clonality   | Monoclonal                                                                                                                  |
| Clone No.   | 52R32J96                                                                                                                    |
| Isotype     | IgG                                                                                                                         |
| Label       | Unconjugated                                                                                                                |
| Immunogen   | A synthesized peptide derived from human MAP4K1                                                                             |
| Format      | Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.                     |
| Storage     | Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage. |
| Precautions | Anti-MAP4K1/HPK1 Rabbit mAb [52R32J96] is for research use only and not for use in diagnostic or therapeutic procedures.    |

## Protein Information

|                 |                                                                                                                                                                                                                                                                       |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Synonyms        | HPK1; mHPK1; M4K1_HUMAN; MAP4K1; Hematopoietic progenitor kinase; MAPK/ERK kinase kinase kinase 1 (MEK kinase kinase 1   MEKKK 1); 2.7.11.1; M4K1_MOUSE; Hematopoietic progenitor kinase (HPK).                                                                       |
| Calculated MW   | Calculated MW: 97 kDa; Observed MW: 97 kDa                                                                                                                                                                                                                            |
| Uniprot ID      | Q92918                                                                                                                                                                                                                                                                |
| Gene ID         | 11184                                                                                                                                                                                                                                                                 |
| Background      | Serine/threonine-protein kinase, which may play a role in the response to environmental stress. Appears to act upstream of the JUN N-terminal pathway. May play a role in hematopoietic lineage decisions and growth regulation. Able to autophosphorylate. [UniProt] |
| Tissue Location | Expressed primarily in hematopoietic organs, including bone marrow, spleen and thymus. Also expressed at very low levels in lung, kidney, mammary glands and small intestine.                                                                                         |



Western Blot - Anti-MAP4K1/HPK1 Rabbit mAb [52R32J96]

All lanes: R016059 at 1:8,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

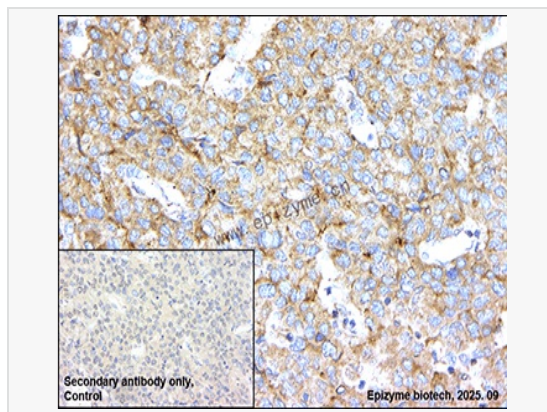
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 97 kDa

Observed band size: 97 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-MAP4K1/HPK1 Rabbit mAb [52R32J96]

Sample: Paraformaldehyde-fixed, paraffin embedded human hepatoma tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R016059 at 1:200 dilution

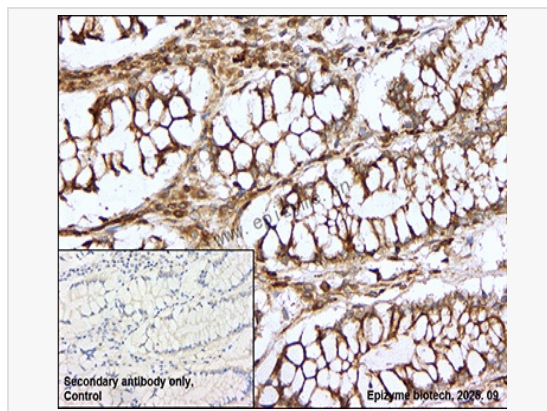
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-MAP4K1/HPK1 Rabbit mAb [52R32J96]

Sample: Paraformaldehyde-fixed, paraffin embedded human colonic cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R016059 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.