# Anti-MAP3K1 Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P103216

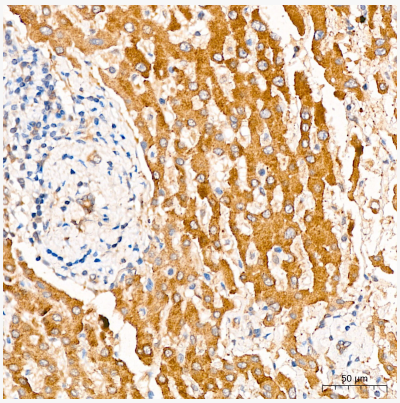
## Product Information

| | |
|---|---|
| Application | WB, IF (Cell)/ICC, IHC-P/IF (Tissue-P), ELISA |
| Reactivity | Human, Mouse, Rat |
| Dilution | WB 1:1000~1:4000; IF 1:50~1:100; IHC-P 1:50~1:100 |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Label | Unconjugated |
| Immunogen | A synthetic peptide corresponding to a sequence within amino acids 1400-1512 of human MAP3K1 (NP_005912.1). |
| Format | Affinity purified polyclonal 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-MAP3K1 Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures. |

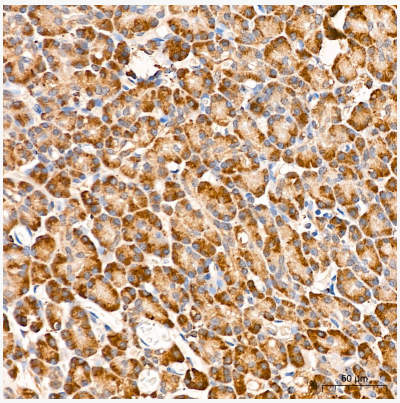
## Protein Information

| | |
|---|---|
| Synonyms | MEKK; MEKK1; SRXY6; MEKK 1; MAPKKK1; MAP3K1. |
| Calculated MW | Calculated MW: 164 kDa; Observed MW: 164 kDa |
| Uniprot ID | Q13233 |
| Gene ID | 4214 |
| Background | The protein encoded by this gene is a serine/threonine kinase and is part of some signal transduction cascades, including the ERK and JNK kinase pathways as well as the NF-kappa-B pathway. The encoded protein is activated by autophosphorylation and requires magnesium as a cofactor in phosphorylating other proteins. This protein has E3 ligase activity conferred by a plant homeodomain (PHD) in its N-terminus and phospho-kinase activity conferred by a kinase domain in its C-terminus. |

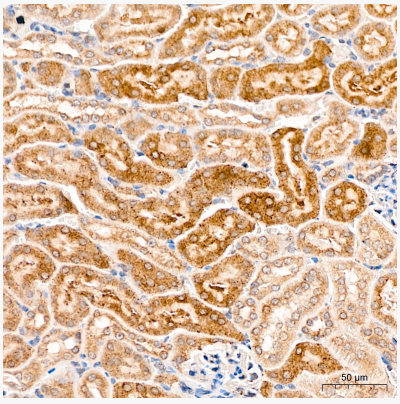
## Validation Images



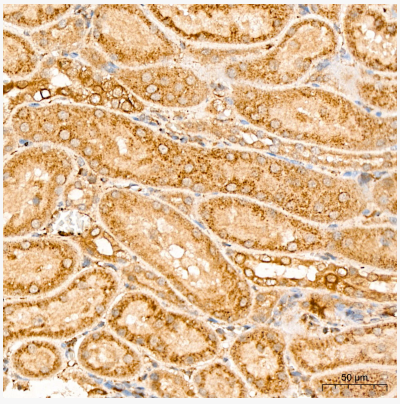
Immunohistochemistry analysis of paraffin-embedded Human liver tissue using MAP3K1 Rabbit pAb (P103216) at a dilution of 1:300 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



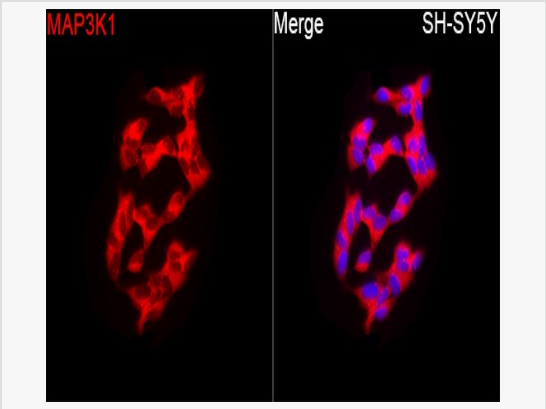
Immunohistochemistry analysis of paraffin-embedded Human pancreas tissue using MAP3K1 Rabbit pAb (P103216) at a dilution of 1:300 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



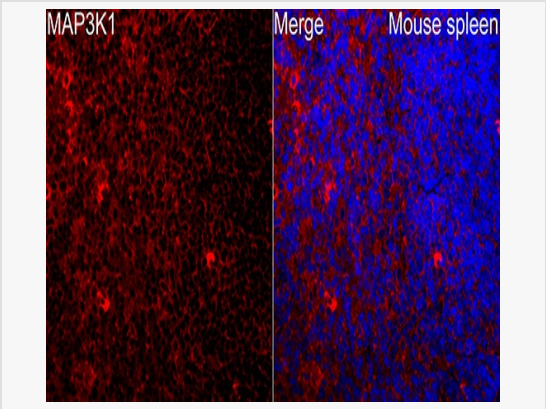
Immunohistochemistry analysis of paraffin-embedded Mouse kidney tissue using MAP3K1 Rabbit pAb (P103216) at a dilution of 1:300 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



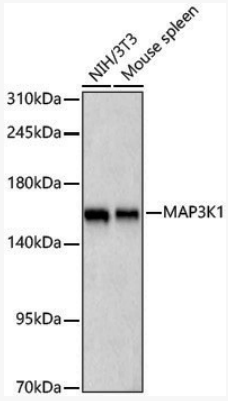
Immunohistochemistry analysis of paraffin-embedded Rat kidney tissue using MAP3K1 Rabbit pAb (P103216) at a dilution of 1:300 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



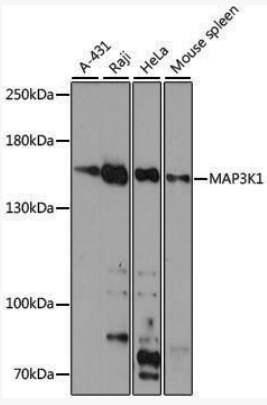

Immunofluorescence analysis of SH-SY5Y cells using MAP3K1 Rabbit pAb (P103216) at a dilution of 1:200 (40× lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.




Immunofluorescence analysis of Mouse spleen tissue using MAP3K1 Rabbit pAb (P103216) at a dilution of 1:200 (40× lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining. High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IF staining.




Western blot analysis of various lysates using MAP3K1 Rabbit pAb (P103216) at 1:1,000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 20s.




Western blot analysis of various lysates using MAP3K1 Rabbit pAb (P103216) at 1:1,000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 30s.