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**Product Name: MAP4K1 Mouse Monoclonal Antibody****Catalog #: AMM82916**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,IHC,ELISA,FC
<b>Reactivity</b>	Human, Mouse, Monkey, Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
<b>Molecular Weight</b>	91.3kDa

**Antigen Information**

<b>Gene Name</b>	MAP4K1
<b>Alternative Names</b>	HPK1
<b>Gene ID</b>	11184.0
<b>SwissProt ID</b>	Q92918
<b>Immunogen</b>	Purified recombinant fragment of human MAP4K1 (AA:278-477) expressed in mammalian.

**Background**

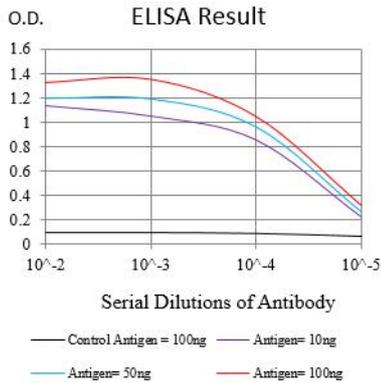
MAP4K1 (Mitogen-Activated Protein Kinase Kinase Kinase Kinase 1) is a Protein Coding gene. Among its related pathways are Angiotensin Like Protein 8 Regulatory Pathway and B cell receptor signaling pathway (KEGG). Gene Ontology (GO) annotations related to this gene include transferase activity, transferring phosphorus-containing groups and protein tyrosine

kinase activity. An important paralog of this gene is MAP4K3.

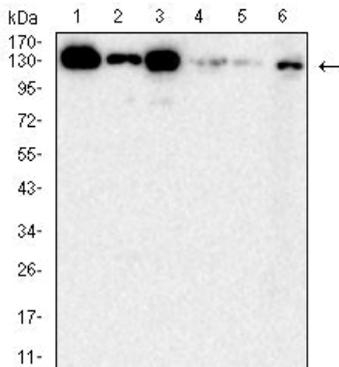
## Research Area

TGF-beta signaling pathway, MAPK signaling pathway

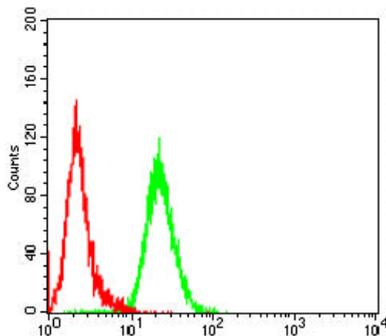
## Image Data



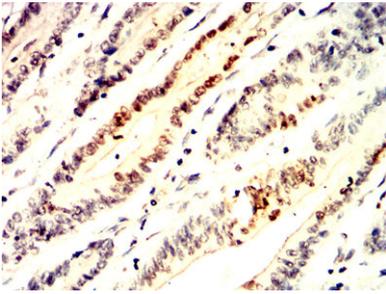
Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



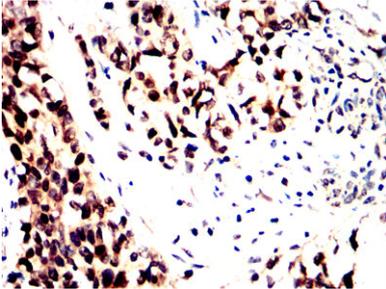
Western blot analysis using MAP4K1 mouse mAb against Jurkat (1), A549 (2), mouse kidney (3), COS7 (4), C6 (5) and NIH/3T3 (6) cell lysate.



Flow cytometric analysis of Jurkat cells using MAP4K1 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissues using MAP4K1 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human bladder cancer tissues using MAP4K1 mouse mAb with DAB staining.