

# Anti-MAP3K14 Antibody [2G2B4]

EM1712-23



<b>Product Type:</b>	Mouse monoclonal IgG1, primary antibodies
<b>Species reactivity:</b>	Human
<b>Applications:</b>	WB, IHC-P, FC
<b>Molecular Wt:</b>	104kDa
<b>Clone number:</b>	2G2B4

**Description:** This gene encodes mitogen-activated protein kinase kinase kinase 14, which is a serine/threonine protein-kinase. This kinase binds to TRAF2 and stimulates NF-kappaB activity. It shares sequence similarity with several other MAPKK kinases. It participates in an NF-kappaB-inducing signalling cascade common to receptors of the tumour-necrosis/nerve-growth factor (TNF/NGF) family and to the interleukin-1 type-I receptor.

**Immunogen:** Purified recombinant fragment of human MAP3K14 (AA: 769-947) expressed in E. Coli.

**Positive control:** Hela cells, cervical cancer tissues

**Subcellular location:** Cytoplasm.

**Database links:** SwissProt: Q99558 Human

## Recommended Dilutions:

<b>WB</b>	1:500-1:2,000
<b>IHC-P</b>	1:50-1:200
<b>FC</b>	1:100-1:200

**Storage Buffer:** Purified antibody in PBS with 0.05% sodium azide.

**Storage Instruction:** 4°C; -20°C for long term storage.

**Purity:** Protein G affinity purified.

Hangzhou HuaAn Biotechnology Co.,Ltd.

Orders: 0086-571-88062880

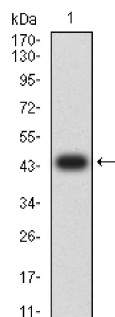
Technical:0086-571-89986345

Service mail: support@huabio.cn

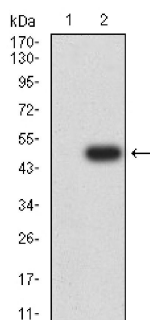
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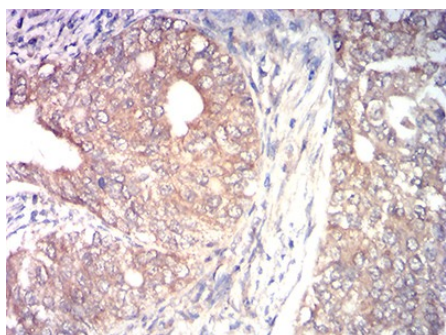
## Images



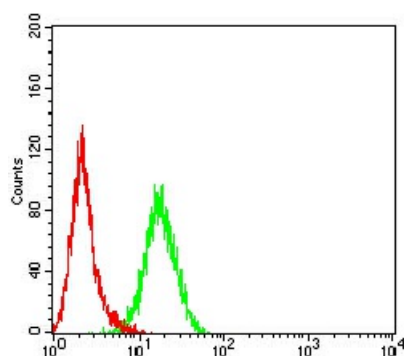
**Fig1:** Western blot analysis of MAP3K14 against human MAP3K14 (AA: 769-947) recombinant protein. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (EM1712-23, 1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Mouse IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour at room temperature.



**Fig2:** Western blot analysis of MAP3K14 against HEK293 (1) and MAP3K14 (AA: 769-947)-hlgGfC transfected HEK293 (2) cell lysate. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (EM1712-23, 1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Mouse IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour at room temperature.



**Fig3:** Immunohistochemical analysis of paraffin-embedded cervical cancer tissues using anti-MAP3K14 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody (EM1712-23, 1/100) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



**Fig4:** Flow cytometric analysis of MAP3K14 was done on HeLa cells. The cells were fixed, permeabilized and stained with the primary antibody (EM1712-23, 1/100) (green). After incubation of the primary antibody at room temperature for an hour, the cells were stained with a Alexa Fluor 488-conjugated goat anti-Mouse IgG Secondary antibody at 1/500 dilution for 30 minutes. Unlabelled sample was used as a control (cells without incubation with primary antibody; red).

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**Note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

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### Background References

1. Innate Immun. 2017 Jan;23(1):44-53.
2. Cancer Res. 2014 Sep 1;74(17):4908-21.

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Applications: WB=Western blot IP=Immunoprecipitation IHC=Immunohistochemistry IF=Immunofluorescence FC=Flow cytometry