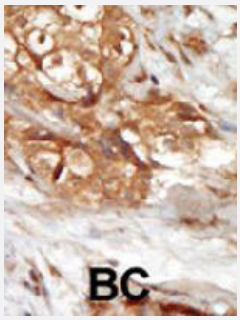
MAP3K14 polyclonal antibody

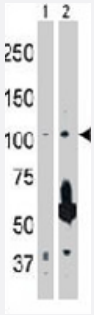
Catalog # PAB3183 Size 400 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with MAP3K14 polyclonal antibody (Cat # PAB3183) , which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma.



Western Blot

The MAP3K14 polyclonal antibody (Cat # PAB3183) is used in Western blot to detect MAP3K14 in 293 cell lysate (Lane 1) and rat testis tissue lysate (Lane 2) .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of MAP3K14.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to amino acids 126-155 at internal region of human MAP3K14.
Host	Rabbit
Reactivity	Human, Rat
Form	Liquid
Purification	Protein G purification

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Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-100) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Western Blot

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Gene Info — MAP3K14

Entrez GeneID	9020
Protein Accession#	M3KE_HUMAN
Gene Name	MAP3K14
Gene Alias	FTDCR1B, HS, HSNIK, NIK
Gene Description	mitogen-activated protein kinase kinase kinase 14
Omim ID	604655
Gene Ontology	Hyperlink
Gene Summary	This gene encodes mitogen-activated protein kinase kinase kinase 14, which is a serine/threonin e protein-kinase. This kinase binds to TRAF2 and stimulates NF-kappaB activity. It shares seque nce similarity with several other MAPKK kinases. It participates in an NF-kappaB-inducing signall ing cascade common to receptors of the tumour-necrosis/nerve-growth factor (TNF/NGF) family a nd to the interleukin-1 type-I receptor. [provided by RefSeq
Other Designations	serine/threonine protein-kinase

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Publication Reference

- The kinase TAK1 can activate the NIK-I kappaB as well as the MAP kinase cascade in the IL-1 signalling pathway.

  Ninomiya-Tsuji J, Kishimoto K, Hiyama A, Inoue J, Cao Z, Matsumoto K.

  Nature 1999 Mar; 398(6724):252.

- The NIK protein kinase and C17orf1 genes: chromosomal mapping, gene structures and mutational screening in frontotemporal dementia and parkinsonism linked to chromosome 17.

  Aronsson FC, Magnusson P, Andersson B, Karsten SL, Shibasaki Y, Lendon CL, Goate AM, Brookes AJ.

  Human Genetics 1998 Sep; 103(3):345.

Pathway

- Apoptosis
- Epithelial cell signaling in Helicobacter pylori infection
- MAPK signaling pathway
- T cell receptor signaling pathway

Disease

- Arthritis
- Disease Susceptibility

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