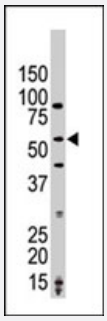
MAP3K8 polyclonal antibody

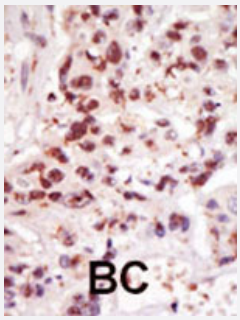
Catalog # PAB3169 Size 400 uL

Applications



Western Blot (Cell lysate)

The MAP3K8 polyclonal antibody (Cat # PAB3169) is used in Western blot to detect MAP3K8 in HeLa cell lysate.



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

Formalin-fixed and paraffin-embedded human cancer tissue reacted with MAP3K8 polyclonal antibody (Cat # PAB3169) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of MAP3K8.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human MAP3K8.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification

Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:50-100) 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

- Western Blot (Cell lysate)

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Gene Info — MAP3K8

Entrez GeneID	1326
Protein Accession#	P41279
Gene Name	MAP3K8
Gene Alias	COT, EST, ESTF, FLJ10486, TPL2, Tpl-2, c-COT
Gene Description	mitogen-activated protein kinase kinase kinase 8
Omim ID	191195 211980
Gene Ontology	Hyperlink

Gene Summary	This gene was identified by its oncogenic transforming activity in cells. The encoded protein is a member of the serine/threonine protein kinase family. This kinase can activate both the MAP kina se and JNK kinase pathways. This kinase was shown to activate IkappaB kinases, and thus induc e the nuclear production of NF-kappaB. This kinase was also found to promote the production of TNF-alpha and IL-2 during T lymphocyte activation. Studies of a similar gene in rat suggested the direct involvement of this kinase in the proteolysis of NF-kappaB1,p105 (NFKB1). This gene may also utilize a downstream in-frame translation start codon, and thus produce an isoform containing a shorter N-terminus. The shorter isoform has been shown to display weaker transforming activity. [provided by RefSeq
Other Designations	Cancer Osaka thyroid oncogene|Ewing sarcoma transformant|OTTHUMP00000019392|OTTHU MP00000019393|cot (cancer Osaka thyroid) oncogene|proto-oncogene serine/threoine protein ki nase|tumor progression locus-2

Publication Reference

- COT kinase proto-oncogene expression in T cells: implication of the JNK/SAPK signal transduction pathway in COT promoter activation.

  Sanchez-Gongora E, Lisbona C, de Gregorio R, Ballester A, Calvo V, Perez-Jurado L, Alemany S.

  The Journal of Biological Chemistry 2000 Oct; 275(40):31379.

- The human cot proto-oncogene encodes two protein serine/threonine kinases with different transforming activities by alternative initiation of translation.

  Aoki M, Hamada F, Sugimoto T, Sumida S, Akiyama T, Toyoshima K.

  The Journal of Biological Chemistry 1993 Oct; 298(30):22723.

Pathway

- MAPK signaling pathway
- T cell receptor signaling pathway
- Toll-like receptor signaling pathway

Disease

- Alzheimer Disease
- Genetic Predisposition to Disease
- Tobacco Use Disorder