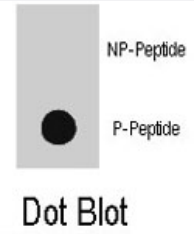
MAP3K8 (phospho T290) polyclonal antibody

Catalog # PAB8091 Size 400 uL

Applications



Dot Blot (Peptide)

Dot blot analysis of MAP3K8 (phospho T290) polyclonal antibody (Cat # PAB8091) on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5 ug/mL.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of MAP3K8.
Immunogen	Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding T290 of hu man MAP3K8.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein A purification
Recommend Usage	ELISA (1:1000) Dot Blot (1:500) 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

- Enzyme-linked Immunoabsorbent Assay
- Dot Blot (Peptide)

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Gene Info — MAP3K8

Entrez GeneID	1326
Protein Accession#	P41279;NP_005195
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