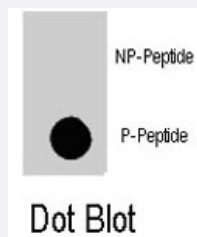


MAP4K4 (phospho S629) polyclonal antibody

Catalog # PAB8104 Size 400 uL

Applications



Dot Blot (Peptide)

Dot blot analysis of MAP4K4 (phospho S629) polyclonal antibody (Cat # PAB8104) 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 MAP4K4.
Immunogen	Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding S629 of human MAP4K4.
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 should be handled by trained staff only.

Applications

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

Dot blot analysis of MAP4K4 (phospho S629) polyclonal antibody (Cat # PAB8104) on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5 ug/mL.

Gene Info — MAP4K4

Entrez GeneID [9448](#)

Protein Accession# [O95819](#)

Gene Name MAP4K4

Gene Alias FLH21957, FLJ10410, FLJ20373, FLJ90111, HGK, KIAA0687, NIK

Gene Description mitogen-activated protein kinase kinase kinase kinase 4

Omim ID [604666](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a member of the serine/threonine protein kinase family. This kinase has been shown to specifically activate MAPK8/JNK. The activation of MAPK8 by this kinase is found to be inhibited by the dominant-negative mutants of MAP3K7/TAK1, MAP2K4/MKK4, and MAP2K7/MKK7, which suggests that this kinase may function through the MAP3K7-MAP2K4-MAP2K7 kinase cascade, and mediate the TNF-alpha signaling pathway. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq]

Other Designations HPK/GCK-like kinase|hepatocyte progenitor kinase-like/germinal center kinase-like kinase

Publication Reference

- [The STE20 kinase HGK is broadly expressed in human tumor cells and can modulate cellular transformation, invasion, and adhesion.](#)

Wright JH, Wang X, Manning G, LaMere BJ, Le P, Zhu S, Khatri D, Flanagan PM, Buckley SD, Whyte DB, Howlett AR, Bischoff JR, Lipson KE, Jallal B.

Molecular and Cellular Biology 2003 Mar; 23(6):2068.

- [A novel human STE20-related protein kinase, HGK, that specifically activates the c-Jun N-terminal kinase signaling pathway.](#)

Yao Z, Zhou G, Wang XS, Brown A, Diener K, Gan H, Tan TH.

The Journal of Biological Chemistry 1999 Jan; 274(4):2118.

- [Prediction of the coding sequences of unidentified human genes. X. The complete sequences of 100 new cDNA clones from brain which can code for large proteins in vitro.](#)

K Ishikawa, T Nagase, M Suyama, N Miyajima, A Tanaka, H Kotani, N Nomura, O Ohara.

DNA Research 1998 Jun; 5(3):169.

Pathway

- [MAPK signaling pathway](#)