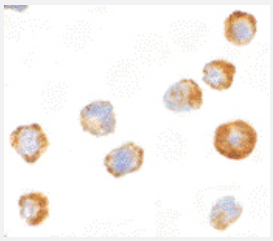
MAP3K5 polyclonal antibody

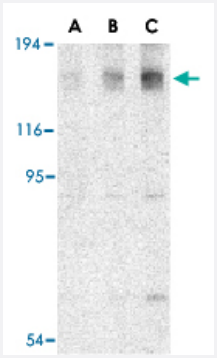
Catalog # PAB13429 Size 100 ug

Applications



Immunocytochemistry

Immunocytochemistry of MAP3K5 in A-431 cells with MAP3K5 polyclonal antibody (Cat # PAB13429) at 2 ug/mL .



Western Blot (Cell lysate)

Western blot analysis of MAP3K5 in SW1353 cell lysate with MAP3K5 polyclonal antibody (Cat # PAB13429) at (A) 0.5, (B) 1, and (C) 2 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of MAP3K5.
Immunogen	A synthetic peptide corresponding to C-terminus 16 amino acids of human MAP3K5.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Recommend Usage	Western Blot (1-2 ug/mL) The optimal working dilution should be determined by the end user.

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Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°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

- Immunocytochemistry

  Immunocytochemistry of MAP3K5 in A-431 cells with MAP3K5 polyclonal antibody (Cat # PAB13429) at 2 ug/mL .

- Western Blot (Cell lysate)

  Western blot analysis of MAP3K5 in SW1353 cell lysate with MAP3K5 polyclonal antibody (Cat # PAB13429) at (A) 0.5, (B) 1, and (C) 2 ug/mL .

Gene Info — MAP3K5

Entrez GeneID	4217
Protein Accession#	BAA12684
Gene Name	MAP3K5
Gene Alias	ASK1, MAPKKK5, MEKK5
Gene Description	mitogen-activated protein kinase kinase kinase 5
Omim ID	602448
Gene Ontology	Hyperlink
Gene Summary	Mitogen-activated protein kinase (MAPK) signaling cascades include MAPK or extracellular sign al-regulated kinase (ERK), MAPK kinase (MKK or MEK), and MAPK kinase kinase (MAPKKK or MEKK). MAPKK kinase/MEKK phosphorylates and activates its downstream protein kinase, MA PK kinase/MEK, which in turn activates MAPK. The kinases of these signaling cascades are high ly conserved, and homologs exist in yeast, Drosophila, and mammalian cells. MAPKKK5 contains 1,374 amino acids with all 11 kinase subdomains. Northern blot analysis shows that MAPKKK5 tr anscript is abundantly expressed in human heart and pancreas. The MAPKKK5 protein phosphor ylates and activates MKK4 (aliases SERK1, MAPKK4) in vitro, and activates c-Jun N-terminal kin ase (JNK)/stress-activated protein kinase (SAPK) during transient expression in COS and 293 c ells; MAPKKK5 does not activate MAPK/ERK. [provided by RefSeq

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Other Designations	MAP/ERK kinase kinase 5|MAPK/ERK kinase kinase 5|OTTHUMP00000017275|apoptosis signal regulating kinase

Publication Reference

- Induction of apoptosis by ASK1, a mammalian MAPKKK that activates SAPK/JNK and p38 signaling pathways.

  Ichijo H, Nishida E, Irie K, ten Dijke P, Saitoh M, Moriguchi T, Takagi M, Matsumoto K, Miyazono K, Gotoh Y.

  Science 1997 Jan; 275(5296):90.

- Molecular cloning and characterization of a novel protein kinase with a catalytic domain homologous to mitogen-activated protein kinase kinase kinase.

  Wang XS, Diener K, Jannuzzi D, Trollinger D, Tan TH, Lichenstein H, Zukowski M, Yao Z.

  The Journal of Biological Chemistry 1996 Dec; 271(49):31607.

Pathway

- Amyotrophic lateral sclerosis (ALS)
- MAPK signaling pathway
- Neurotrophin signaling pathway

Disease

- Asthma
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Hypersensitivity
- Inflammation
- Insulin Resistance

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- Lymphoma
- Tobacco Use Disorder

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