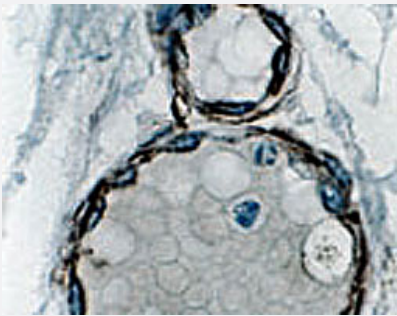


MAP3K5 polyclonal antibody

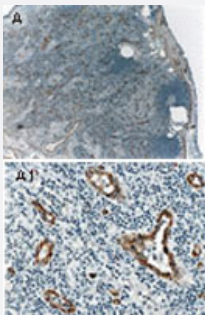
Catalog # PAB0327 Size 50 uL

Applications



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

Formalin-fixed paraffin-embedded tissue section of human small venous vessels stained for MAP3K5 expression. Using MAP3K5 polyclonal antibody (Cat # PAB0327) at 1 : 2000. MAP3K5 positive epithelial cells were seen. Hematoxylin-eosin counterstain.



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

Formalin-fixed paraffin-embedded tissue section of human reactive tonsil stained for MAP3K5 expression. Using MAP3K5 polyclonal antibody (Cat # PAB0327) at 1 : 2000. A and A1. Low and high magnification, respectively. MAP3K5 expression was seen in the vasculature (endothelial cells). Hematoxylin-eosin counterstain.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of MAP3K5.
Immunogen	A synthetic peptide corresponding to amino acids 1198 to 1216 of human MAP3K5.
Sequence	CHEEQPSNQTVRRPQAVIED
Host	Rabbit
Reactivity	Human
Form	Liquid
Recommend Usage	The optimal working dilution should be determined by the end user.

Storage Buffer	In serum (0.05% sodium azide)
Storage Instruction	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

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

Formalin-fixed paraffin-embedded tissue section of human small venous vessels stained for MAP3K5 expression. Using MAP3K5 polyclonal antibody (Cat # PAB0327) at 1 : 2000. MAP3K5 positive epithelial cells were seen. Hematoxylin-eosin counterstain.

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

Formalin-fixed paraffin-embedded tissue section of human reactive tonsil stained for MAP3K5 expression. Using MAP3K5 polyclonal antibody (Cat # PAB0327) at 1 : 2000. A and A1. Low and high magnification, respectively. MAP3K5 expression was seen in the vasculature (endothelial cells). Hematoxylin-eosin counterstain.

- Immunoprecipitation

Gene Info — MAP3K5

Entrez GeneID	4217
Protein Accession#	NP_005914.1
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 signal-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, MAPK kinase/MEK, which in turn activates MAPK. The kinases of these signaling cascades are highly 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 transcript is abundantly expressed in human heart and pancreas. The MAPKKK5 protein phosphorylates and activates MKK4 (aliases SERK1, MAPKK4) in vitro, and activates c-Jun N-terminal kinase (JNK)/stress-activated protein kinase (SAPK) during transient expression in COS and 293 cells; MAPKKK5 does not activate MAPK/ERK. [provided by RefSeq]

Other Designations

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

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](#)
- [Lymphoma](#)
- [Tobacco Use Disorder](#)