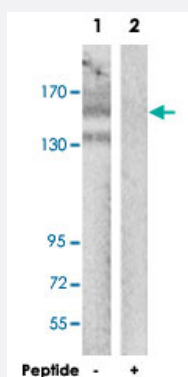


MAP3K5 polyclonal antibody

Catalog # PAB18450 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from Raw 264.7 cells, using MAP3K5 polyclonal antibody (Cat # PAB18450).
Peptide "+" means "peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of MAP3K5.
Immunogen	A synthetic peptide corresponding to residues surrounding S966 of human MAP3K5.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody is specific to MAP3K5.
Form	Liquid
Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) ELISA (1:20000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% 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

- Western Blot (Cell lysate)

Western blot analysis of extracts from Raw 264.7 cells, using MAP3K5 polyclonal antibody (Cat # PAB18450).
Peptide "+" means "peptide blocking".

- Immunohistochemistry

- Enzyme-linked Immunoabsorbent Assay

Gene Info — MAP3K5

Entrez GeneID [4217](#)

Protein Accession# [Q99683](#)

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

Publication Reference

- [The androgen receptor gene and its influence on the development and progression of prostate cancer.](#)

Montgomery JS, Price DK, Figg WD.

The Journal of Pathology 2001 Sep; 195(2):138.

Application: IHC, WB, Human, Cancers, Mammalian cells

- [The androgen receptor \(AR\) in syndromes of androgen insensitivity and in prostate cancer.](#)

Avila DM, Zoppi S, McPhaul MJ.

The Journal of Steroid Biochemistry and Molecular Biology 2001 Jan; 76(1-5):135.

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](#)