

GLK Blocking Peptide (Q499)

Synthetic peptide

Catalog # BP8005c

Specification

GLK Blocking Peptide (Q499) - Product Information

Primary Accession

[Q8IVH8](#)**GLK Blocking Peptide (Q499) - Additional Information**

Gene ID 8491

Other Names

Mitogen-activated protein kinase kinase kinase 3, Germinal center kinase-related protein kinase, GLK, MAPK/ERK kinase kinase kinase 3, MEK kinase kinase 3, MEKKK 3, MAP4K3, RAB8IPL1

Target/Specificity

The synthetic peptide sequence is selected from aa 499~518 of HUMAN MAP4K3

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GLK Blocking Peptide (Q499) - Protein Information

Name MAP4K3

Synonyms RAB8IPL1

Function

May play a role in the response to environmental stress. Appears to act upstream of the JUN N-terminal pathway.

Tissue Location

Ubiquitously expressed in all tissues examined, with high levels in heart, brain, placenta, skeletal muscle, kidney and pancreas and lower levels in lung and liver

GLK Blocking Peptide (Q499) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

GLK Blocking Peptide (Q499) - Images

GLK Blocking Peptide (Q499) - Background

GLK is a member of the Ste20 family of serine/threonine protein kinases. The protein belongs to the subfamily that consists of members, such as germinal center kinase (GCK), that are characterized by an N-terminal catalytic domain and C-terminal regulatory domain. The kinase activity of the encoded protein can be stimulated by UV radiation and tumor necrosis factor-alpha. The protein specifically activates the c-Jun N-terminal kinase (JNK) signaling pathway. Evidence suggests that it functions upstream of mitogen-activated protein kinase kinase kinase 1 (MEKK1). This gene previously was referred to as RAB8-interacting protein-like 1 (RAB8IPL1), but it has been renamed mitogen-activated protein kinase kinase kinase kinase 3 (MAP4K3).

GLK Blocking Peptide (Q499) - References

Diener, K., et al., Proc. Natl. Acad. Sci. U.S.A. 94(18):9687-9692 (1997).