

**GLK Antibody Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP8005a****Specification**

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**GLK Antibody Blocking Peptide - Product Information**Primary Accession [Q8IVH8](#)**GLK Antibody Blocking Peptide - Additional Information****Gene ID** 8491**Other Names**

Mitogen-activated protein kinase 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 used to generate the antibody [AP8005a](/product/products/AP8005a) was selected from the region of human GLK. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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 Antibody Blocking Peptide - 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 Antibody Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **GLK Antibody Blocking Peptide - Images**

## **GLK Antibody Blocking Peptide - 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 3 (MAP4K3).

## **GLK Antibody Blocking Peptide - References**

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