

### **NEK10 Antibody (Center) Blocking Peptide**

Synthetic peptide Catalog # BP8704c

#### **Specification**

NEK10 Antibody (Center) Blocking Peptide - Product Information

Primary Accession <u>O6ZWH5</u>

NEK10 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 152110

#### **Other Names**

Serine/threonine-protein kinase Nek10, Never in mitosis A-related kinase 10, NimA-related protein kinase 10, NEK10

#### **Target/Specificity**

The synthetic peptide sequence used to generate the antibody <a href=/products/AP8704c>AP8704c</a> was selected from the Center region of human NEK10. 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.

NEK10 Antibody (Center) Blocking Peptide - Protein Information

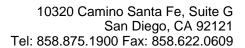
Name NEK10 (<u>HGNC:18592</u>)

# NEK10 Antibody (Center) Blocking Peptide - Background

Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. NIMA subfamily.

### NEK10 Antibody (Center) Blocking Peptide - References

Caenepeel, S., et.al., Proc. Natl. Acad. Sci. U.S.A. 101 (32), 11707-11712 (2004)





#### **Function**

Plays a role in the cellular response to UV irradiation. Mediates G2/M cell cycle arrest, MEK autoactivation and ERK1/2- signaling pathway activation in response to UV irradiation. In ciliated cells of airways, it is involved in the regulation of mucociliary transport (PubMed:<a href="http://www.uniprot.org/citations/31959991" target="\_blank">31959991</a>).

**Tissue Location** Expressed in the lung.

## NEK10 Antibody (Center) Blocking Peptide - Protocols

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

• Blocking Peptides