

NEK10 Blocking Peptide (Center)
Synthetic peptide
Catalog # BP21574c**Specification**

NEK10 Blocking Peptide (Center) - Product InformationPrimary Accession [Q6ZWH5](#)**NEK10 Blocking Peptide (Center) - 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 is selected from aa 450-463 of HUMAN NEK10

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 Blocking Peptide (Center) - Protein Information**Name** NEK10 ([HGNC:18592](#))**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:31959991).

Tissue Location

Expressed in the lung.

NEK10 Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

NEK10 Blocking Peptide (Center) - Images**NEK10 Blocking Peptide (Center) - References**

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Li H.,et al.Submitted (JUN-2005) to the EMBL/GenBank/DDBJ databases.

Muzny D.M.,et al.Nature 440:1194-1198(2006).

Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

Bechtel S.,et al.BMC Genomics 8:399-399(2007).