

**Mouse Nek8 Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP13927b****Specification**

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**Mouse Nek8 Antibody (C-term) Blocking peptide - Product Information**Primary Accession [Q91ZR4](#)**Mouse Nek8 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 140859**Other Names**

Serine/threonine-protein kinase Nek8, Never in mitosis A-related kinase 8, NimA-related protein kinase 8, Nek8, Jck

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody AP13927b was selected from the C-term region of Mouse Nek8. 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.

**Mouse Nek8 Antibody (C-term) Blocking peptide - Protein Information****Name** Nek8**Synonyms** Jck**Function**

Required for renal tubular integrity. May regulate local cytoskeletal structure in kidney tubule epithelial cells. May regulate ciliary biogenesis through targeting of proteins to the cilia. Plays a role in organogenesis and is involved in the regulation of the Hippo signaling pathway.

**Cellular Location**

Cytoplasm. Cytoplasm, cytoskeleton. Cell projection, cilium. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome {ECO:0000250|UniProtKB:Q86SG6}. Cytoplasm, cytoskeleton, cilium axoneme {ECO:0000250|UniProtKB:Q86SG6}. Note=Predominantly cytoplasmic Localizes to the proximal region of the primary cilium and is not observed in dividing cells.

**Tissue Location**

Kidney, liver, and testis.

**Mouse Nek8 Antibody (C-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**Mouse Nek8 Antibody (C-term) Blocking peptide - Images****Mouse Nek8 Antibody (C-term) Blocking peptide - Background**

This gene encodes a NIMA-related kinase. Members of this serine/threonine protein kinase family are structurally-related to NIMA (never in mitosis, gene A) which controls mitotic signaling in *Aspergillus nidulans*.

**Mouse Nek8 Antibody (C-term) Blocking peptide - References**

Hellman, N.E., et al. Proc. Natl. Acad. Sci. U.S.A. 107(43):18499-18504(2010)Ahmadie, R., et al. J. Nutr. 140(8):1438-1444(2010)Natoli, T.A., et al. Nat. Med. 16(7):788-792(2010)Shiba, D., et al. Cytoskeleton (Hoboken) 67(2):112-119(2010)Sohara, E., et al. J. Am. Soc. Nephrol. 19(3):469-476(2008)