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Mouse Nek8 Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP13927b

Specification

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}. Note=Predominantly cytoplasmic Localizes to the proximal region of the primary cilium and is not observed in dividing cells.

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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 thisserine/threonine protein kinase family are structurally-related toNIMA (never in mitosis, gene A) which controls mitotic signaling inAspergillus 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)