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Mouse Cdk10 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP16261b

Specification

Mouse Cdk10 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q3UMM4

Mouse Cdk10 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 234854

Other Names
Cyclin-dependent kinase 10, Cell division protein kinase 10, Cdk10

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 Cdk10 Antibody (C-term) Blocking Peptide - Protein Information

Name Cdk10

Function
Cyclin-dependent kinase that phosphorylates the transcription factor ETS2 (in vitro) and positively controls its proteasomal degradation (in cells). Involved in the regulation of actin cytoskeleton organization through the phosphorylation of actin dynamics regulators such as PKN2. Is a negative regulator of ciliogenesis through phosphorylation of PKN2 and promotion of RhoA signaling.

Cellular Location
Cytoplasm, cytoskeleton, cilium basal body {ECO:0000250|UniProtKB:Q15131}

Mouse Cdk10 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

Mouse Cdk10 Antibody (C-term) Blocking Peptide - Images

Mouse Cdk10 Antibody (C-term) Blocking Peptide - Background

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Cdk10 belongs to the CDK(cyclin-dependent kinase) subfamily of the Ser/Thr protein kinasefamily. The CDK subfamily members are highly similar to the geneproducts of S. cerevisiae cdc28, and S. pombe cdc2, and are knownto be essential for cell cycle progression. The human ortholog hasbeen shown to play a role in cellular proliferation. Multipletranscript variants encoding different isoforms have been found forthis gene. A related pseudogene exists on chromosome 1. [providedby RefSeq].

Mouse Cdk10 Antibody (C-term) Blocking Peptide - References

Bagella, L., et al. J. Cell. Biochem. 99(3):978-985(2006)Grana, X., et al. Oncogene 9(7):2097-2103(1994)