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CCRK Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP7119a

Specification

CCRK Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q8IZL9

CCRK Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 23552

Other Names
Cyclin-dependent kinase 20, CDK-activating kinase p42, CAK-kinase p42, Cell cycle-related kinase, Cell division protein kinase 20, Cyclin-dependent protein kinase H, Cyclin-kinase-activating kinase p42, CDK20, CCRK, CDCH

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP7119a was selected from the N-term region of human CCRK. 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.

CCRK Antibody (N-term) Blocking Peptide - Protein Information

Name CDK20

Synonyms CCRK, CDCH

Function
Required for high-level Shh responses in the developing neural tube. Together with TBC1D32, controls the structure of the primary cilium by coordinating assembly of the ciliary membrane and axoneme, allowing GLI2 to be properly activated in response to SHH signaling (By similarity). Involved in cell growth. Activates CDK2, a kinase involved in the control of the cell cycle, by phosphorylating residue 'Thr-160'.

Cellular Location
Nucleus. Cytoplasm. Cell projection, cilium

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CCRK Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

CCRK Antibody (N-term) Blocking Peptide - Images

CCRK Antibody (N-term) Blocking Peptide - Background

CCRK contains a kinase domain most closely related to the cyclin-dependent protein kinases. This protein is involved in cell growth and activates CDK2, a kinase involved in the control of the cell cycle, by phosphorylating residue Thr-160.

CCRK Antibody (N-term) Blocking Peptide - References

Fujii, H., et al., Biochem. Biophys. Res. Commun. 322(3):1052-1058 (2004).Liu, Y., et al., J. Biol. Chem. 279(6):4507-4514 (2004).