

# CCRK Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP7119a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">Q8IZL9</a>
<b>Reactivity</b>	Human, Rat, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB8503
<b>Calculated MW</b>	38695
<b>Antigen Region</b>	16-45

## Additional Information

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<b>Gene ID</b>	23552
<b>Other Names</b>	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
<b>Target/Specificity</b>	This CCRK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 16-45 amino acids from the N-terminal region of human CCRK.
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	CCRK Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	CDK20
<b>Synonyms</b>	CCRK, CDCH
<b>Function</b>	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

## Background

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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.

## References

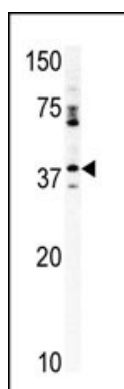
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Fujii, H., et al., Biochem. Biophys. Res. Commun. 322(3):1052-1058 (2004).

Liu, Y., et al., J. Biol. Chem. 279(6):4507-4514 (2004).

## Images

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Western blot analysis of anti-CCRK Pab (Cat. #AP7119a) in mouse kidney tissue lysate (35ug/lane). CCRK(arrow) was detected using the purified Pab.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.