

# CCRK Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP7119a

#### **Product Information**

Application WB, E
Primary Accession Q8IZL9

**Reactivity** Human, Rat, Mouse

HostRabbitClonalityPolyclonalIsotypeRabbit IgGClone NamesRB8503Calculated MW38695Antigen Region16-45

#### **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 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.

**Dilution** WB~~1:1000 E~~Use at an assay dependent concentration.

**Format** 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.

**Storage** 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.

**Precautions** CCRK Antibody (N-term) is for research use only and not for use in diagnostic

or therapeutic procedures.

#### **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

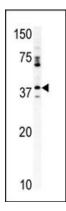
## **Background**

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.

#### 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).

### **Images**



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'.