10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CCRK Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7119a

Product Information

Application	WB, E
Primary Accession	Q8IZL9
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB8503
Calculated MW	38695
Antigen Region	16-45

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

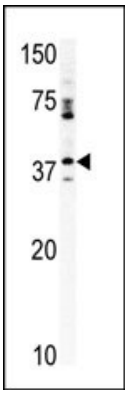
Background

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'.