

CCRK Antibody (N-term)

Mouse Monoclonal Antibody (Mab) Catalog # AM2214b

Product Information

ApplicationWB, EPrimary AccessionQ8IZL9ReactivityHumanHostMouseClonalityMonoclonalIsotypeIgG1

Clone Names 885CT27.1.1
Calculated MW 38695

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 Purified His-tagged CCRK protein was used to produced this monoclonal

antibody.

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

Format Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

This antibody is purified through a protein G column, 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

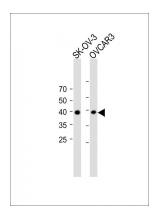
Background

Required for high-level Shh responses in the developing neural tube. Together with BROMI, 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'.

References

Liu Y., et al. J. Biol. Chem. 279:4507-4514(2004). Wang L.Y., et al. Oncogene 31:2907-2918(2012). Qiu H., et al. Submitted (JAN-2005) to the EMBL/GenBank/DDBJ databases. Ota T., et al. Nat. Genet. 36:40-45(2004). Humphray S.J., et al. Nature 429:369-374(2004).

Images



All lanes: Anti-CCRK (N-term) at 1:1000 dilution Lane 1: SK-OV-3 whole cell lysate Lane 2: OVCAR3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Mouse IgG, (H+L), Peroxidase conjugated (ASP1613) at 1/8000 dilution. Observed band size: 37 KDa Blocking/Dilution buffer: 5% NFDM/TBST.

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