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CCRK Antibody (N-term)
Mouse Monoclonal Antibody (Mab)
Catalog # AM2214b

Specification

CCRK Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q8IZL9
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**38695**

CCRK Antibody (N-term) - 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

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.

CCRK Antibody (N-term) - 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'.

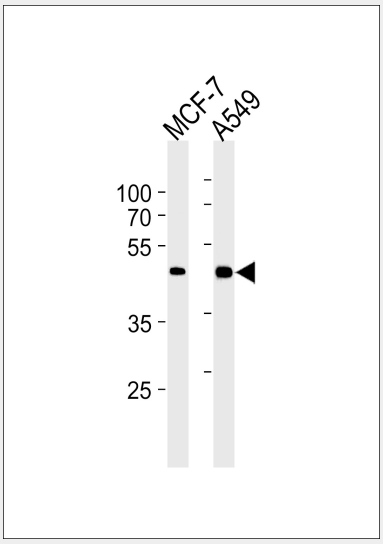
Cellular Location
Nucleus. Cytoplasm. Cell projection, cilium

CCRK Antibody (N-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CCRK Antibody (N-term) - Images



CCRK Antibody (N-term)(Cat. #AM2214b) western blot analysis in MCF-7,A549 cell line lysates (35µg/lane).This demonstrates the CCRK antibody detected the CCRK protein (arrow).

CCRK Antibody (N-term) - 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'.

CCRK Antibody (N-term) - 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).