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CCRK Antibody (N-term)

Mouse Monoclonal Antibody (Mab)
Catalog # AM2214b

Product Information

Application	WB, E
Primary Accession	Q8IZL9
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
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

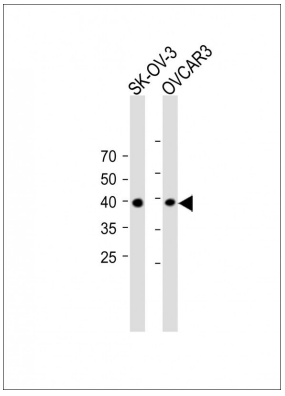
Background

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.