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Anti-CDC25C Antibody

Rabbit polyclonal antibody to CDC25C
Catalog # AP59983

Product Information

Application	WB, IF/IC, IHC
Primary Accession	P30307
Other Accession	P48967
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53365

Additional Information

Gene ID	995
Other Names	M-phase inducer phosphatase 3; Dual specificity phosphatase Cdc25C
Target/Specificity	Recognizes endogenous levels of CDC25C protein.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200), IF/IC (1/100 - 1/500) IF/IC~~N/A IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200), IF/IC (1/100 - 1/500)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

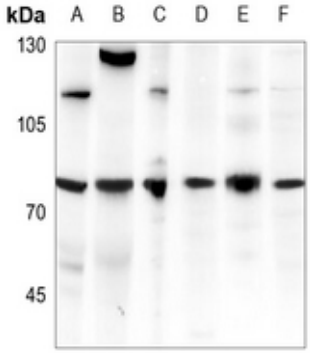
Name	CDC25C
Function	Functions as a dosage-dependent inducer in mitotic control. Tyrosine protein phosphatase required for progression of the cell cycle (PubMed:8119945). When phosphorylated, highly effective in activating G2 cells into prophase (PubMed:8119945). Directly dephosphorylates CDK1 and activates its kinase activity (PubMed:8119945).
Cellular Location	Nucleus

Background

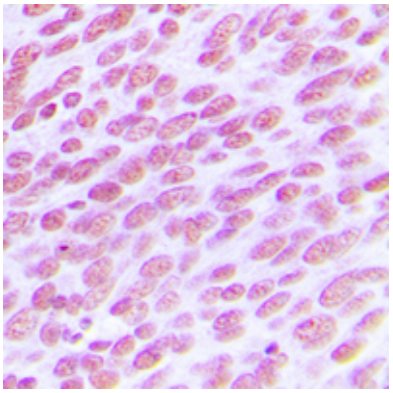
KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CDC25C. The

exact sequence is proprietary.

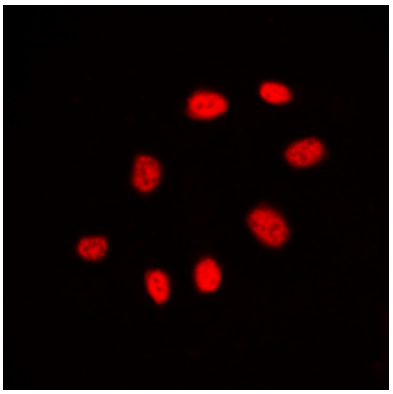
Images



Western blot analysis of CDC25C expression in rat brain (A), mouse lung (B), CT26 (C), PC12 (D), U87MG (E), Hela (F) whole cell lysates.



Immunohistochemical analysis of CDC25C staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of CDC25C staining in A431 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.