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Anti-CDC25A (Phospho-S82) Antibody

Catalog # AP60928

Product Information

Application	WB, IF/IC
Primary Accession	P30304
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	59087

Additional Information

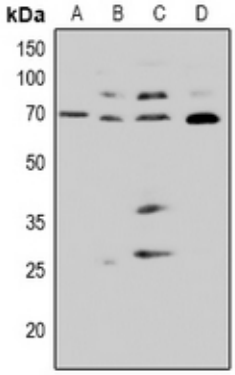
Gene ID	993
Other Names	M-phase inducer phosphatase 1; Dual specificity phosphatase Cdc25A
Target/Specificity	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding S82 of human CDC25A protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

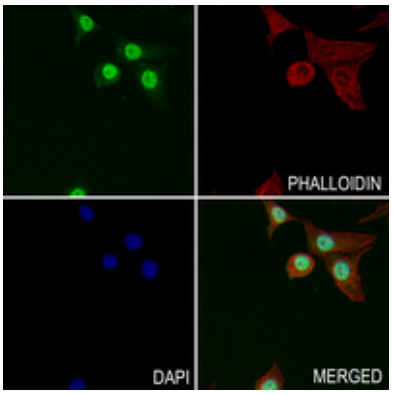
Protein Information

Name	CDC25A
Function	Tyrosine protein phosphatase which functions as a dosage- dependent inducer of mitotic progression (PubMed:12676925, PubMed:14559997, PubMed:1836978, PubMed:20360007). Directly dephosphorylates CDK1 and stimulates its kinase activity (PubMed:20360007). Also dephosphorylates CDK2 in complex with cyclin-E, in vitro (PubMed:20360007).

Images

Western blot analysis of CDC25A (Phospho-S82) expression in Hela (A), HCT116 (B), NIHC3T3 (C), PC12 (D) whole cell lysates. (Predicted band size: 59 kD; Observed band size: 70 kD)





Immunofluorescent analysis of CDC25A (Phospho-S82) staining in HepG2 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 hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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