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Anti-CDCA3 Antibody

Catalog # AP51063

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q99618
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	28998

Additional Information

Gene ID	83461
Other Names	C8; GRCC8; TOME1; Cell division cycle-associated protein 3; Gene-rich cluster protein C8; Trigger of mitotic entry protein 1; TOME-1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human CDCA3. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 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

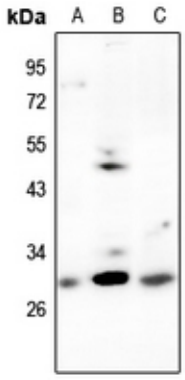
Name	CDCA3
Synonyms	C8, GRCC8, TOME1
Function	F-box-like protein which is required for entry into mitosis. Acts by participating in E3 ligase complexes that mediate the ubiquitination and degradation of WEE1 kinase at G2/M phase (By similarity).
Cellular Location	Cytoplasm, cytosol.

References

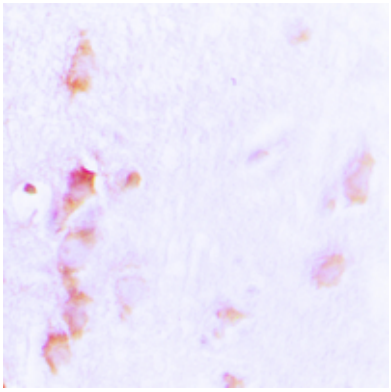
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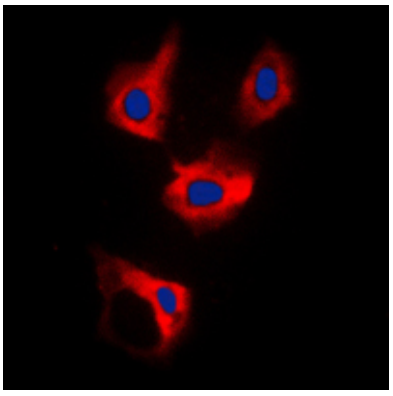
Images



Western blot analysis of CDCA3 expression in rat brain (A), mouse kidney (B), Hela (C) whole cell lysates. (Predicted band size: 28 kD; Observed band size: 29 kD)



Immunohistochemical analysis of CDCA3 staining in human brain 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 CDCA3 staining in MCF7 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. 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'.