

## Anti-CDKAL1 Antibody

Catalog #	Source	Reactivity	Applications
CQA4028	Rabbit	H, M	WB, IF/IC
<b>Description</b>	Rabbit polyclonal antibody to CDKAL1		
<b>Immunogen</b>	Recombinant fusion protein of human CDKAL1. The exact sequence is proprietary.		
<b>Purification</b>	The antibody was purified by immunogen affinity chromatography.		
<b>Specificity</b>	Recognizes endogenous levels of CDKAL1 protein		
<b>Clonality</b>	Polyclonal		
<b>Conjugation</b>			
<b>Form</b>	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		
<b>Dilution</b>	WB (1/500 - 1/2000), IF/IC (1/50 - 1/200)		
<b>Gene Symbol</b>	CDKAL1		
<b>Alternative Names</b>	Threonylcarbamoyladenine tRNA methyltransferase; CDK5 regulatory subunit-associated protein 1-like 1; tRNA-t(6)A37 methyltransferase		
<b>Entrez Gene</b>	54901 (Human); 68916 (Mouse)		
<b>SwissProt</b>	Q5VV42 (Human); Q91WE6 (Mouse)		
<b>Storage/Stability</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.		

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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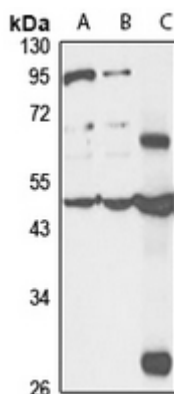
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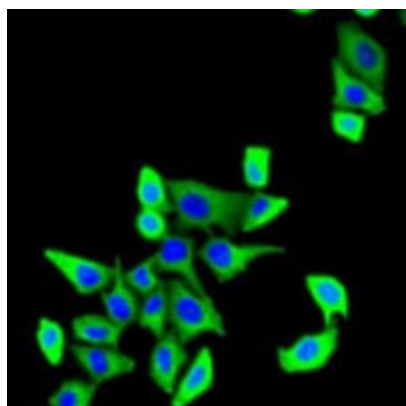
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## Product Data Sheet



Western blot analysis of CDKAL1 expression in HEK293T (A), HepG2 (B), mouse kidney (C) whole cell lysates. (Predicted band size: 11; 54; 65 kD; Observed band size: 55-65 kD)



Immunofluorescent analysis of CDKAL1 staining in U2OS 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 Alexa Fluor 488-conjugated secondary antibody (green) in PBS at room temperature in the dark.

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