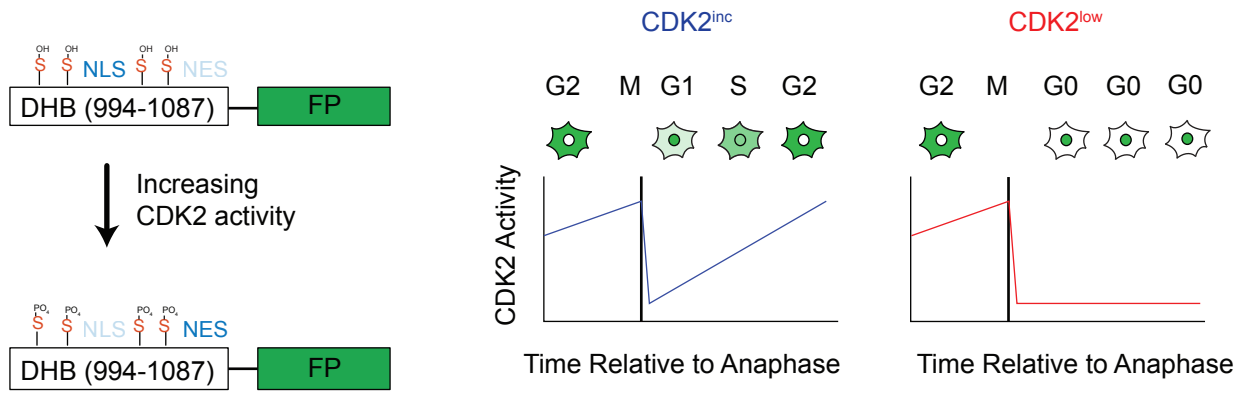


A.



$$\text{CDK2 activity} = \frac{\text{Cytoplasmic signal}}{\text{Nuclear signal}}$$

B.

	DNA	EdU	pRb	pHH3
G0-like	< 2N cutoff	< negative cutoff	< cutoff	
G1	< 2N cutoff	< negative cutoff	> cutoff	
Early s	< 2N cutoff	> negative cutoff < positive cutoff		
S		> positive cutoff		
Late S	> 4N cutoff	> negative cutoff < positive cutoff		
G2	> 4N cutoff	< negative cutoff		< cutoff
M				> cutoff

C.

Signal	Dye	Filter
DNA	Hoechst	DAPI
POI	AF488	FITC
pRb / pHH3	AF546	Cy3
EdU	AF647	Cy5