

Anti-Cyclin A2 Antibody

Catalog # AP95723

Product Information

Application	WB, IHC, FC
Primary Accession	P20248
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	48551

Additional Information

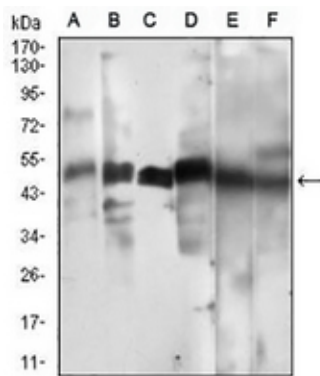
Gene ID	890
Other Names	CCN1; CCNA; Cyclin-A2; Cyclin-A
Target/Specificity	Recombinant fusion protein of human Cyclin A2 expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~FC (1/100 - 1/200)
Format	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

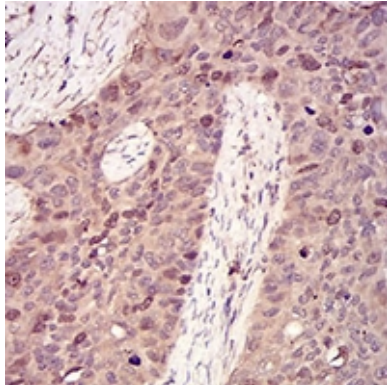
Name	CCNA2 (HGNC:1578)
Function	Essential for the control of the cell cycle at G1/S and G2/M transition (PubMed: 1312467). Functions through the formation of specific serine/threonine protein kinase holoenzyme complexes with the cyclin-dependent protein kinases CDK1 or CDK2. The cyclin subunit confers the substrate specificity of these complexes and differentially interacts with and activates CDK1 and CDK2 throughout the cell cycle (PubMed: 41100585).
Cellular Location	Nucleus. Cytoplasm. Note=Exclusively nuclear during interphase (PubMed:1312467). Detected in the nucleus and the cytoplasm at prophase (PubMed:1312467). Cytoplasmic when associated with SCAPER (PubMed:17698606).

Images

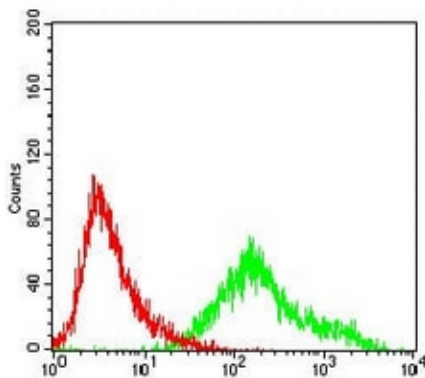
Western blot analysis of Cyclin A2 expression in Hela (A),



HEK293 (B), Jurkat (C), K562 (D), SKBr3 (E), NIH/3T3 (F) whole cell lysates. (Predicted band size: 49 kD; Observed band size: 49 kD)



Immunohistochemical analysis of Cyclin A2 staining in human cervical 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.



Flow cytometric analysis of A431 cells using Anti-Cyclin A2 Antibody (green) and negative control (red).

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