

## Cyclin A2 polyclonal antibody

Catalog: BS90353

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

The critical role that the family of regulatory proteins known as cyclins play in eukaryotic cell cycle regulation is well established. The best-characterized cyclin complex is the mitotic cyclin B/Cdc2 p34 kinase, the active component of maturing promoting factor. Cyclin A accumulates prior to cyclin B in the cell cycle, appears to be involved in control of S phase and has been shown to associate with cyclin-dependent kinase-2 (Cdk2). In addition, cyclin A has been implicated in cell transformation and is found in complexes with E1A, transcription factors DRTF1 and E2F and retinoblastoma protein, p110. A second form of cyclin A, named cyclin A1 because of its high sequence homology to *Xenopus* cyclin A1, is most highly expressed in germ cells. It has been proposed that cyclin A1 can associate with Cdk2, p39 and Cdc2 p34.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

49 kDa

### Swiss-Prot:

P20248(Human) P51943(Mouse) Unigene:13094(Rat)

### Purification&Purity:

ProA affinity purified

### Applications:

WB:1:1,000-1:2,000

ICC:1:100-1:500

IHC:1:50-1:200

### Storage&Stability:

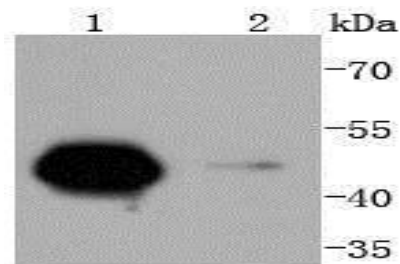
Store at +4 °C after thawing. Aliquot store at -20 °C or

-80 °C. Avoid repeated freeze / thaw cycles.

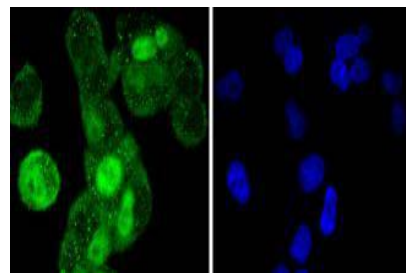
### Specificity:

Cyclin A2 polyclonal antibody detects endogenous levels of Cyclin A2 protein.

### DATA:



Western blot analysis of Cyclin A2 on different lysates using anti-Cyclin A2 antibody at 1/1,000 dilution. Positive control: Lane 1: PC12 Lane 2: NIH/3T3



ICC staining Cyclin A2 in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

### Note:

For research use only, not for use in diagnostic procedure.

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