



DB104: cyclin A (E23.1)

Background:

During each cell cycle cyclins undergo periodic accumulation and destruction. As key regulators of the cell cycle the cyclins control important transitions by activating Cdks (1,2). Cyclin A regulates at least two cdks, Cdc2 p34 and Cdk2, and is believed to be necessary for progression through S phase and is active during the G2-M transition (1&3,4). Cyclin B1 also associates with Cdc2 p34 and this complex is requisite for the G2-M progression. The Cyclin B1/Cdc2 p34 complex is known as MPF, M-phase kinase, maturation-promoting factor, or M-phase specific histone kinase, is widely accepted as the trigger of mitosis in all organisms (5-9).

Origin:

Cyclin A (E23.1) is provided as mouse monoclonal IgG_{2a} derived from the fusion of Sp2 myeloma cells with the spleen cells of a mouse immunized with bovine cyclin A.

Product Details:

Each vial contains 100 µg/ml of mouse monoclonal IgG_{2a} cyclin A (E23.1), in 1 ml PBS containing 0.1 % sodium azide and 0.2% gelatin.

Specificity:

Cyclin A (E23.1) DB104 reacts with cyclin A of murine, bovine, and human origin by Western blotting, immunoprecipitation and immunohistochemistry. Western blotting starting dilution: 1:100.

Storage:

Store this product at 4° C, do not freeze. The product is stable for one year from the date of shipment.

References:

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