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36-1987: Monoclonal Antibody to Cdc20 (Cell Division Cycle Protein 20)(Clone : AR12)

Clonality :	Monoclonal
Clone Name :	AR12
Application :	FACS,IF,IHC
Reactivity :	Human
Gene :	CDC20
Gene ID :	991
Uniprot ID :	Q12834
Format :	Purified
Alternative Name :	CDC20
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Urea-denatured His6 Cdc20 human recombinant protein

Description

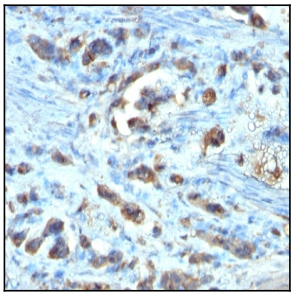
Cyclins, regulatory subunits, which associate with kinases, control many of the important steps in cell cycle progression. The Cdc2 protein kinase (p34Cdc2) exhibits protein kinase activity in vitro and exists in a complex with both cyclin B and a protein homologous to p13SUC1. Cdc2 kinase is the active subunit of the M phase promoting factor (MPF) and the M phase-specific Histone H1 kinase. The p34Cdc2/cyclin B complex is required for the G2 to M transition. An additional cell cycle-dependent protein kinase, termed p55cdc, exhibits a high degree of homology with the S. cerevisiae proteins Cdc20 and Cdc4. The p55cdc transcript is readily detectable in a variety of cultured cell lines in growth phase, but disappears when cell growth is chemically arrested.

Product Info

Amount :	100 µg
Purification :	Affinity Chromatography
Content :	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);



Formalin-fixed, paraffin-embedded human Gastric Carcinoma stained with CDC20 Monoclonal Antibody (AR12)

For Research Use Only. Not for use in diagnostic/therapeutics procedures.