Recombinant Cdc20 (Cell Division Cycle Protein 20) Antibody

Mouse Monoclonal Antibody [Clone rCDC20/7184]

Catalog No	Format	Size
991-MSM4-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
991-MSM4-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
991-MSM4-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

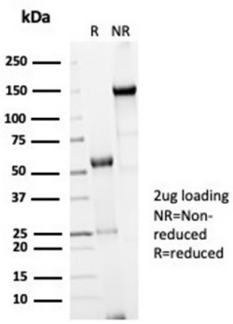
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

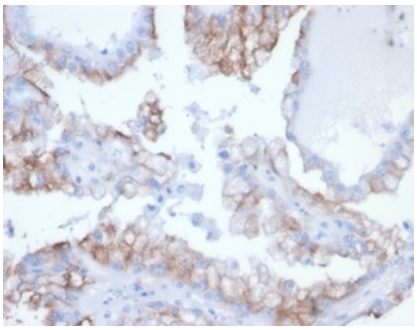
Clone	rCDC20/7184
Gene Name	CDC20
Immunogen	Recombinant full-length human Cdc20 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	55kDa
Cellular Localization	Centrosome, Cytoplasm, Cytoskeleton, Microtubule organizing center, Spindle pole
Species Reactivity	Human
Positive Control	Ramos or HeLa cells. Human tonsil or gastric carcinoma.

**Optimal dilution for a specific application should be determined.*

Product Images for Recombinant Cdc20 (Cell Division Cycle Protein 20) Antibody



SDS-PAGE Analysis of Purified CDC20 Recombinant Mouse Monoclonal Antibody (rCDC20/7184). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human kidney cancer stained with CDC20 Recombinant Mouse Monoclonal Antibody (rCDC20/7184) at 2ug/ml. HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

Specificity & Comments

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.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Immunology, Neuroscience, Nuclear Marker, Signal Transduction

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.