

Cdc20 (Cell Division Cycle Protein 20) Antibody - With BSA and Azide
Mouse Monoclonal Antibody [Clone CDC20/1102]
Catalog # AH12829

Specification

Cdc20 (Cell Division Cycle Protein 20) Antibody - With BSA and Azide - Product Information

Application	,2,3,4,
Primary Accession	Q12834
Other Accession	991 , 524947
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG1, kappa
Calculated MW	55kDa kDa

Cdc20 (Cell Division Cycle Protein 20) Antibody - With BSA and Azide - Additional Information

Gene ID 991

Other Names

Cell division cycle protein 20 homolog, p55CDC, CDC20

Storage

Store at 2 to 8°C. Antibody is stable for 24 months.

Precautions

Cdc20 (Cell Division Cycle Protein 20) Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

Cdc20 (Cell Division Cycle Protein 20) Antibody - With BSA and Azide - Protein Information

Name CDC20

Function

Involved in the metaphase/anaphase transition of cell cycle (PubMed:32666501). Required for full ubiquitin ligase activity of the anaphase promoting complex/cyclosome (APC/C) and may confer substrate specificity upon the complex. Is regulated by MAD2L1: in metaphase the MAD2L1-CDC20-APC/C ternary complex is inactive and in anaphase the CDC20-APC/C binary complex is active in degrading substrates. The CDC20-APC/C complex positively regulates the formation of synaptic vesicle clustering at active zone to the presynaptic membrane in postmitotic neurons. CDC20-APC/C-induced degradation of NEUROD2 induces presynaptic differentiation. The CDC20-APC/C complex promotes proper dilation formation and radial migration by degrading CCDC41 (By similarity).

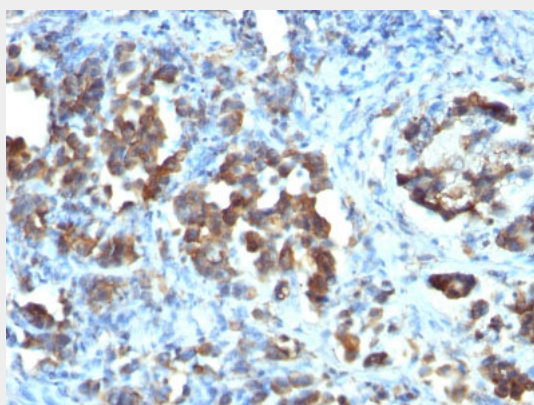
Cellular Location

Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Chromosome, centromere, kinetochore. Cytoplasm, cytoskeleton, spindle pole

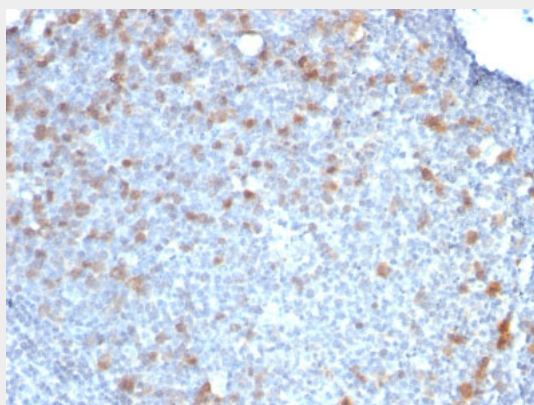
Cdc20 (Cell Division Cycle Protein 20) Antibody - With BSA and Azide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Cdc20 (Cell Division Cycle Protein 20) Antibody - With BSA and Azide - Images

Formalin-fixed, paraffin-embedded human Gastric Carcinoma stained with CDC20 Monoclonal Antibody (CDC20/1102)



Formalin-fixed, paraffin-embedded human Tonsil stained with CDC20 Monoclonal Antibody (CDC20/1102)

Cdc20 (Cell Division Cycle Protein 20) Antibody - With BSA and Azide - Background

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.

Cdc20 (Cell Division Cycle Protein 20) Antibody - With BSA and Azide - References

Sironi L et al. 2001. EMBO J. 20(22):6371-82.