

Anti-Cdc20 [AR12.4]

Catalogue number: 151310

Sub-type: Primary antibody

Images:

Contributor

Inventor:

Institute: European Institute of Oncology

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-Cdc20 [AR12.4]

Alternate name: Fizzy protein, CDC2, CDC2A, p55CDC, P55CDC-LSB Human Entrez Gene ID 991 Human SwissProt Q12834 Human Unigene 524947 Human Gene Symbol CDC2 Human Chromosome Location 1p34.2

Class: Monoclonal

Conjugate: Unconjugated

Description: Cdc20 (fizzy protein) 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.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG1 kappa

Reactivity: Human

Selectivity:

Host: Mouse

Immunogen: Urea-denatured His6 human Cdc20 recombinant protein

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls: Ramos or HeLa cells. Tonsil or gastric carcinoma.

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Cell division cycle protein 20 (cdc20)

Target alternate names:

Target background: Cdc20 (fizzy protein) 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.

Molecular weight: 55 kDa

Ic50:

Applications

Application: FACS ; IHC ; IF ; IP

Application notes:

Handling

Format: Liquid
Concentration: 1 mg/ml
Passage number:
Growth medium:
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer: PBS with 0.02% azide
Storage conditions: -15° C to -25° C
Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Zhang et al. 2019. J Cell Physiol. 234(7):11330-11347. PMID: 30478915. ; Wei et al. 2013. Oncogene. 32(9):1110-20. PMID: 22525275. ; Lenalidomide promotes p53 degradation by inhibiting MDM2 auto-ubiquitination in myelodysplastic syndrome with chromosome 5q deletion.