

Anti-Cdk1 [3E1.1]

Catalogue number: 151049

Sub-type: Primary antibody

Images:

Contributor

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Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-Cdk1 [3E1.1]

Alternate name: Cyclin-Dependent Kinase 1; Cell Division Cycle 2, G1 To S And G2 To M; Cell Division Control Protein 2 Homolog; Cell Division Protein Kinase 1; P34 Protein Kinase; P34CDC2; CDC28A; CDC2; Cell Cycle Controller CDC2; CDKN1

Class: Monoclonal

Conjugate: Unconjugated

Description: Cdk1 (Cdc2) is a serine/threonine kinase which forms complexes with cyclins A and B which then phosphorylate a variety of target substrates to enable cell cycle progression. Therefore, Cdk1 is a marker for proliferating tumour cells.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG1

Reactivity: Xenopus laevis

Selectivity:

Host: Mouse

Immunogen: A carboxy-terminal fragment starting at methionine 85 of Xenopus laevis p34 cdc2.

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Cyclin Dependent kinase 1 (Cdk1, Cdc2)

Target alternate names:

Target background: Cdk1 (Cdc2) is a serine/threonine kinase which forms complexes with cyclins A and B which then phosphorylate a variety of target substrates to enable cell cycle progression. Therefore, Cdk1 is a marker for proliferating tumour cells.

Molecular weight: 175 kDa

Ic50:

Applications

Application: WB

Application notes:

Handling

Format: Liquid

Concentration: 0.9-1.1 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: Iglesia et al. 2017. Stem Cell Res Ther. 8(1):76. PMID: 28412969. ; Engagement of cellular prion protein with the co-chaperone Hsp70/90 organizing protein regulates the proliferation of glioblastoma stem-like cells. ; Pathak et al. 2012. J Biol Chem. 287(17):13731-42. PMID: 22396536. ; Activated apoptotic cells induce dendritic cell maturation via engagement of Toll-like receptor 4 (TLR4), dendritic cell-specific intercellular adhesion molecule 3 (ICAM-3)-grabbing nonintegrin (DC-SIGN), and α 2 integrins. ; Porter et al. 2009. FASEB J. 23(2):492-502. PMID: 18842965. ; Epithelial ICAM-1 and ICAM-2 regulate the egression of human T cells across the bronchial epithelium. ; McDowall et al. 2003. J Clin Invest. 111(1):51-60. PMID: 12511588. ; A novel form of integrin dysfunction involving β 1, β 2, and β 3 integrins. ; Stanley et al. 2000. Biochem J. 351(Pt 1):79-86. PMID: 10998349. ; The second domain of intercellular adhesion molecule-1 (ICAM-1) maintains the structural integrity of the leucocyte function-associated antigen-1 (LFA-1) ligand-binding site in the first domain. ; Dransfield et al. 1989. EMBO J. 8(12):3759-65. PMID: 2479549. ; Regulated expression of Mg²⁺ binding epitope on leukocyte integrin α subunits. ; Hogg et al. 1986. Eur J Immunol. 16(3):240-8. PMID: 3456894. ; The p150,95 molecule is a marker of human mononuclear phagocytes: comparison with expression of class II molecules.

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