

Anti-PCNA [PC8]

Catalogue number: 151151

Sub-type: Primary antibody

Images:

Contributor

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Institute: Cancer Research UK, London Research Institute: Clare Hall Laboratories

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-PCNA [PC8]

Alternate name: Proliferating Cell Nuclear Antigen; DNA Polymerase Delta Auxiliary Protein; ATLD2

Class: Monoclonal

Conjugate: Unconjugated

Description: PCNA, also known as polymerase delta auxiliary protein, is essential for DNA replication and is involved in DNA excision and mismatch repair pathways. PCNA binds to the CDK inhibitor p21, the structure-specific endonucleases Fen1 and XPG, and DNA cytosine 5-methyltransferase (MCMT). PCNA is a potentially useful marker of cells with proliferative potential and for identifying the proliferation status of tumour tissue (i.e. relevant to prognosis).

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG3

Reactivity: Human ; Schizosaccharomyces pombe ; Saccharomyces frugiperda

Selectivity:

Host: Mouse

Immunogen: Protein A-PCNA fusion obtained from pC2T.

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Proliferating cell nuclear antigen, (PCNA), also known as cyclin or polymerase delta accessory protein

Target alternate names:

Target background: PCNA, also known as polymerase delta auxiliary protein, is essential for DNA replication and is involved in DNA excision and mismatch repair pathways. PCNA binds to the CDK inhibitor p21, the structure-specific endonucleases Fen1 and XPG, and DNA cytosine 5-methyltransferase (MCMT). PCNA is a potentially useful marker of cells with proliferative potential and for identifying the proliferation status of tumour tissue (i.e. relevant to prognosis).

Molecular weight:

Ic50:

Applications

Application: IHC ; IP ; WB

Application notes:

Handling

Format: Liquid

Concentration: 0.9 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: Yu et al. 1995. Anal Cell Pathol. 9(1):45-52. PMID: 7577754. ; Optimization of immunohistochemical staining of proliferating cells in paraffin sections of breast carcinoma using antibodies to proliferating cell nuclear antigen and the Ki-67 antigen. ; Waseem et al. 1990. J Cell Sci. 96 (Pt 1):121-9. PMID: 1695635. ; Monoclonal antibody analysis of the proliferating cell nuclear antigen (PCNA). Structural conservation and the detection of a nucleolar form.

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