

Anti-PCNA [PC10] Standard Size Ab00605-2.0

Developed in partnership with Ximbio (www.ximbio.com).

Isotype and Format: Mouse IgG2a, Kappa

Clone Number: PC10

Alternative Name(s) of Target: Proliferating cell nuclear antigen; cyclin or polymerase delta accessory protein

UniProt Accession Number of Target Protein: P12004

Published Application(s): IP, WB, FC, IF, IHC

Published Species Reactivity: Insect, *S. pombe*, Human

Immunogen: Protein A-PCNA fusion obtained from pC2T.

Specificity: This antibody binds to PCNA from various vertebrate, invertebrate and fungal species.

Application Notes: 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 potentially a therapeutic target in cancer therapy and a useful marker for identifying the proliferation status of tumour tissue (i.e. relevant to prognosis). This antibody can be used for grading of different neoplasms, e.g. astrocytoma. It can be of diagnostic and prognostic value. Recommended for use on formalin-fixed paraffin embedded sections. NEUTRAL ELUTE ONLY.

Antibody First Published in: [PMID:](#)

Note on publication:

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.