



# Anti-Human PCNA chimeric monoclonal antibody, clone J0C22 (CABT-L2423)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

**Product Overview**

It is a Mouse/Human chimeric monoclonal antibody produced in transgenic mice by replacing the mouse sequence of the heavy chain constant region (IgM, IgG or IgA loci) by the corresponding human sequence. After immunization with the antigen of interest, generated antibody clones are cultivated by standard hybridoma techniques. They consist of the human constant region of the heavy chain, mouse variable region of the heavy chain and mouse light chain. The human constant region of the heavy chain can be directly recognized by the anti-human conjugate, which is used in numerous in vitro diagnostic assays.

**Specificity**

This antibody react with human PCNA

**Target**

Human PCNA

**Isotype**

IgG

**Source/Host**

Mouse

**Species Reactivity**

Human

**Clone**

J0C22

**Purification**

Purified.Purity>95%

**Conjugate**

Unconjugated

**Applications**

IEP, WB

**Format**

Liquid

**Buffer**

Purified format supplied in 20mM HEPES, pH7.4, 250mM NaCl, 10% Glycerol  
Supernatant supplied in IMDM, 10% FCS, 1% protein-free stabilizer

Preservative	None
Storage	at -70°C or below. Repeated freeze/thaw cycles should be avoided.

## BACKGROUND

Introduction	This protein is an auxiliary protein of DNA polymerase delta and is involved in the control of eukaryotic DNA replication by increasing the polymerase's processibility during elongation of the leading strand. Induces a robust stimulatory effect on the 3'-5' exonuclease and 3'- phosphodiesterase, but not apurinic-apyrimidinic (AP) endonuclease, APEX2 activities. Has to be loaded onto DNA in order to be able to stimulate APEX2.
Keywords	proliferating cell nuclear antigen;cyclin;DNA polymerase delta auxiliary protein;Cyclin;PCNA_HUMAN;

## GENE INFORMATION

Synonyms	proliferating cell nuclear antigen; cyclin; DNA polymerase delta auxiliary protein; Cyclin; PCNA_HUMAN;
UniProt ID	<a href="#">P12004</a>