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Product Datasheet

PCNA-Proliferation Marker Antibody GRP447

Auxiliary protein of DNA polymerase delta and is involved in the Description

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. Plays a key role in DNA damage response (DDR) by being conveniently positioned at the replication fork to coordinate DNA replication with DNA repair and DNA damage tolerance pathways. Acts as a loading platform to recruit DDR proteins that allow completion of DNA replication after DNA damage and promote postreplication

repair: Monoubiquitinated PCNA leads to recruitment of translesion (TLS) polymerases, while 'Lys-63'-linked

polyubiquitination of PCNA is involved in error-free pathway and employs recombination mechanisms to synthesize across the

lesion.

Rabbit Species/Host

Reactivity Human, Mouse, Rat

Conjugation Unconjugated

Tested Applications IHC-P, WB

KLH conjugated synthetic peptide derived from human PCNA **Immunogen**

(public immunogen range: 209-241/261)

Aqueous buffered solution containing 1% BSA, 50% glycerol and Form/Appearance

0.09% sodium azide.

Concentration 1ug/ul

Store at -20°C for 12 months. Storage

Note For research use only.

Isotype IgG

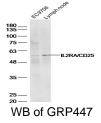
Clonality Polyclonal

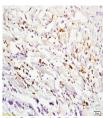
Purity Purified by Protein A.

Uniprot ID P12004

Entrez 5111

WB: 1:300-1000, IHC-P: 1:200-400 **Dilution Range**





IHC-P of GRP447