

Datasheet for ABIN2792157
anti-PCNA antibody (C-Term)[Go to Product page](#)

6 Images

1 Publication

Overview

Quantity:	100 µL
Target:	PCNA
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Zebrafish (Danio rerio), Dog, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PCNA antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human PCNA
Sequence:	LNFFTKATPL SSTVTLSMSA DVPLVVEYKI ADMGHLKYYL APKIEDEEGS
Predicted Reactivity:	Cow: 100%, Dog: 100%, Human: 100%, Mouse: 100%, Rat: 100%, Zebrafish: 91%
Characteristics:	This is a rabbit polyclonal antibody against PCNA. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	PCNA
Alternative Name:	PCNA (PCNA Products)

Target Details

Background:	<p>PCNA 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. The protein encoded by this gene is found in the nucleus and is a cofactor of DNA polymerase delta. The encoded protein acts as a homotrimer and helps increase the processivity of leading strand synthesis during DNA replication. In response to DNA damage, this protein is ubiquitinated and is involved in the RAD6-dependent DNA repair pathway. Two transcript variants encoding the same protein have been found for this gene. Pseudogenes of this gene have been described on chromosome 4 and on the X chromosome.</p> <p>Alias Symbols: MGC8367</p> <p>Protein Interaction Partner: GADD45A, CDKN1A, HUWE1, POLH, PCNA, MSH3, FUS, UBC, TMEM218, CHFR, DTL, POLE, POLD1, MCM7, MCM4, LIG1, MSH6, FEN1, FBXO18, ZRANB3, CHTF18, DNMT1, RAD18, SIVA1, KIAA0101, TDG, SUMO2, SUMO3, RPA1, RFC5, RFC4, RFC3, RFC2, RFC1, MDM2, TRIM25, USP18, ISG15, MA</p> <p>Protein Size: 261</p>
Molecular Weight:	29 kDa
Gene ID:	5111
NCBI Accession:	NM_002592 , NP_002583
UniProt:	P12004
Pathways:	Telomere Maintenance , DNA Damage Repair , Mitotic G1-G1/S Phases , DNA Replication , Synthesis of DNA , Autophagy

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 261 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

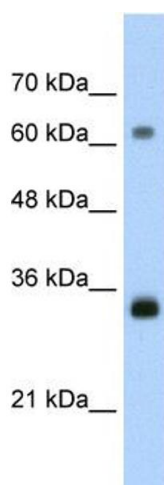
Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:	Moon, Kim, Cho: "A nanowire-based label-free immunosensor: direct incorporation of a PSA antibody in electropolymerized polypyrrole." in: Biosensors & bioelectronics , Vol. 57, pp. 157-61 , (2014) (PubMed).
-------------------	---

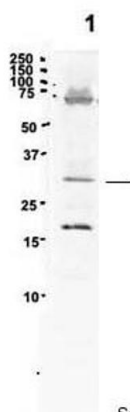
Images



Western Blotting

Image 1. WB Suggested Anti-PCNA Antibody Titration: 1.25ug/ml Positive Control: HepG2 cell lysate PCNA is supported by BioGPS gene expression data to be expressed in HepG2

PCNA



See Immunoblot 2 Data for more information.

Western Blotting

Image 2. Sample Type: 1. Human NT-2 cells (60ug)

Primary Antibody Dilution: 2ug/ml

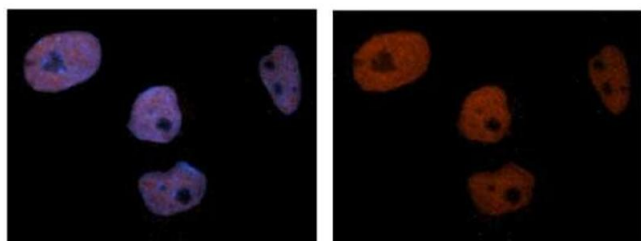
Secondary Antibody: IRDye 800CW goat anti-rabbit from Li-COR Bioscience

Secondary Antibody Dilution: 1: 20,000

Image Submitted by: Yuzhi Chen

University of Arkansas for Medical Science

PCNA



See Immunohistochemistry 2 Data and Customer Feedback tab for more information.

Immunohistochemistry

Image 3. Sample Type: NT2 cells

Red: Antibody

Blue: DAPI

Primary Dilution: 1ug/50ul antibody

Secondary Antibody: Alexa goat anti-rabbit 594

Image Submitted by: Yuzhi Chen, University of Arkansas for Medical Sciences

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN2792157.