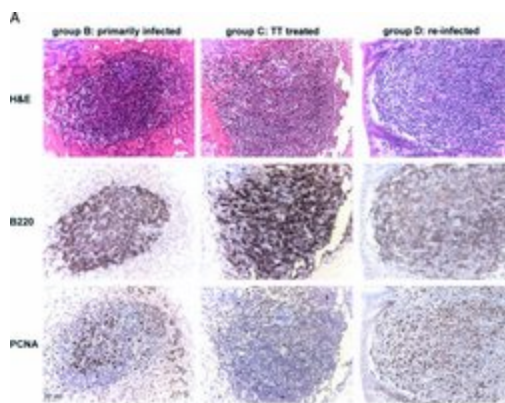


PCNA Monoclonal Antibody (PC10)

Product Details	
Size	200 µg
Species Reactivity	Human, Insect, Mouse, Non-human primate, Rat, Yeast
Published Species	Avian, Rabbit, Yeast, Rat, Pig, Shark, Zebrafish, Human, Mouse, Guinea pig
Host/Isotype	Mouse / IgG2a
Class	Monoclonal
Type	Antibody
Clone	PC10
Conjugate	Unconjugated
Immunogen	Rat recombinant PCNA polypeptides.
Form	Liquid
Concentration	0.5 mg/mL
Purification	purified
Storage buffer	PBS, pH 7.4
Contains	0.1% sodium azide
Storage conditions	-20°C
RRID	AB_2533016

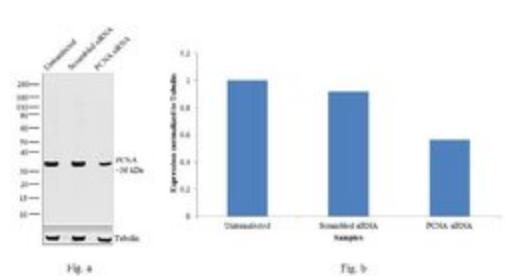
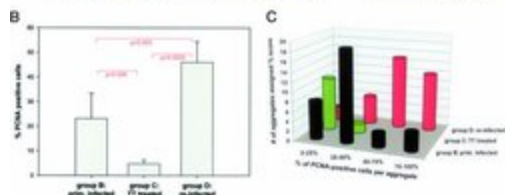
Applications	Tested Dilution	Publications
Western Blot (WB)	0.1-1 µg/mL	20 Publications
Immunohistochemistry (IHC)	-	39 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:500	22 Publications
Immunocytochemistry (ICC/IF)	1-2 µg/mL	5 Publications
Immunoprecipitation (IP)	2-5 µg	2 Publications
Miscellaneous PubMed (Misc)	-	17 Publications

Advanced Verification Data



PCNA Antibody (13-3900)

Figure 3 The proliferative index of lymphocytic aggregates correlates with treatment outcome. Serial paraffin sections of animals of groups B, C, and D were stained with antibodies against the B-cell marker B220, the proliferating cell nuclear antigen (PCNA), or H&E (as indicated on the left in A). A: Representative gastric sections from animals in groups B, C, and D. B220 immuno-reactivity is comparable in the three groups. In the case of PCNA, immuno-reactivity appears lowest in group C, intermediate in group B, and highest in group D. The immuno-reactivity of PCNA was evaluated quantitatively by two alternative approaches. B: PCNA-positive cells were counted in five or six representative aggregates per treatment group and the means (with error bars) are indicated as percentage of the total lymphocytic population. Pairs were subjected to an unpaired Student's t-test and the resulting P values are indicated. C: A total of 83 aggregates from all animals in the study were assigned one of four scores (0 to 25%, 25 to 50%, 50 to 75%, and 75 to 100%) indicative of PCNA reactivity. The number of aggregates assigned a certain score is indicated for every treatment group. Cell treatment validation info.



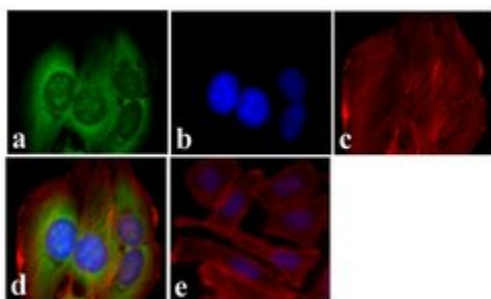
PCNA Antibody (13-3900)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. HeLa cells were transfected with PCNA siRNA and loss of signal was observed in Western Blot using Anti-PCNA monoclonal Antibody (Product # 13-3900). Knockdown validation info.

Product Images For PCNA Monoclonal Antibody (PC10)

PCNA Antibody (13-3900) in ICC/IF

Immunofluorescent analysis of PCNA was done on 70% confluent log phase HeLa cells. The cells were fixed with 4% paraformaldehyde for 15 minutes, permeabilized with 0.25% Triton™ X-100 for 10 minutes, and blocked with 5% BSA for 1 hour at room temperature. The cells were labeled with PCNA Mouse Monoclonal Antibody (Product # 13-3900) at 1 µg/mL in 1% BSA and incubated for 3 hours at room temperature and then labeled with Alexa Fluor 488 Rabbit Anti-Mouse IgG Secondary Antibody (Product # A-11059) at a dilution of 1:400 for 30 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Alexa Fluor 594 Phalloidin (Product # A12381). Panel d is a merged image showing cytoplasmic localization. Panel e shows no primary antibody control. The images were captured at 20X magnification.



View more figures on thermofisher.com

Western Blot (20)

Cancers

Fibroblast MMP14-Dependent Collagen Processing Is Necessary for Melanoma Growth.

"Published figure using PCNA monoclonal antibody (Product # 13-3900) in Western Blot"

Authors: Pach E, Brinckmann J, Rüksam M, Kümper M, Mauch C, Zigrino P

Species
Not Applicable

Dilution
Not Cited

Year
2021

International journal of molecular sciences

Novel Insights on the Corpus Luteum Function: Role of Vaspin on Porcine Luteal Cell Angiogenesis, Proliferation and Apoptosis by Activation of GRP78 Receptor and MAP3/1 Kinase Pathways.

"Published figure using PCNA monoclonal antibody (Product # 13-3900) in Western Blot"

Authors: Kurowska P, Mlyczyńska E, Dupont J, Rak A

Species
Not Applicable

Dilution
Not Cited

Year
2020

[View more WB references on thermofisher.com](#)

Immunohistochemistry (39)

Cell adhesion & migration

The Netrin-1-Neogenin-1 signaling axis controls neuroblastoma cell migration via integrin-1 and focal adhesion kinase activation.

"13-3900 was used in Immunohistochemistry to show that Neogenin-1 is a metastasis-promoting protein that associates with FAK, activates integrin 1 and promotes neuroblastoma cell migration."

Authors: Villanueva AA, Sanchez-Gomez P, Muñoz-Palma E, Puvogel S, Casas BS, Arriagada C, Peña-Villalobos I, Lois P, Ramírez Orellana M, Lubieniecki F, Casco Claro F, Gallegos I, García-Castro J, Torres VA, Palma V

Species
Human

Dilution
1:100

Year
2021

British journal of pharmacology

Amelioration of elastase-induced lung emphysema and reversal of pulmonary hypertension by pharmacological iNOS inhibition in mice.

"Published figure using PCNA monoclonal antibody (Product # 13-3900) in Immunohistochemistry"

Authors: Fysikopoulos A, Seimetz M, Hadzic S, Knoepp F, Wu CY, Malkmus K, Wilhelm J, Pichl A, Bednorz M, Tadele Roxlau E, Ghofrani HA, Sommer N, Gierhardt M, Schermuly RT, Seeger W, Grimminger F, Weissmann N, Kraut S

Species
Mouse
Not Applicable

Dilution
1:200
Not Cited

Year
2021

[View more IHC references on thermofisher.com](#)

More applications with references on thermofisher.com

IHC (P) (22)

ICC/IF (5)

IP (2)

Misc (17)

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