BT LAB
Bioassay Technology Laboratory

Optimize Your Research

PCNA Monoclonal Antibody(12D10)

Description

Product type	Primary Antibody
Code	BT-MCA0068
Host	Mouse
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Synthetic Peptide of PCNA
Mol wt	28769
Species reactivity	Human,Rat,Mouse
Clonality	Monoclonal
Recommended application	WB, IF, ICC, IHC-p
Concentration	1 mg/ml
Full name	Proliferating cell nuclear antigen
Synonyms	PCNA; Proliferating cell nuclear antigen; PCNA; Cyclin

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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.

Recommended Dilution

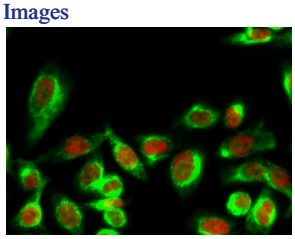
IF: 1:200

IHC: 1:200

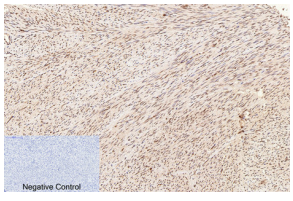
WB: 1:5000

Not yet tested in other applications.

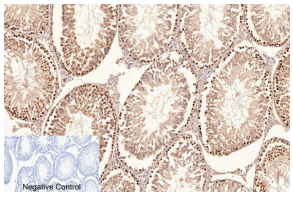
Images



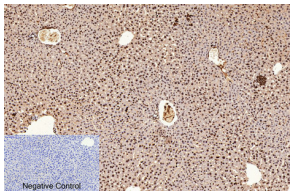
Immunofluorescence analysis of Hela cell. 14-3-3 Theta/τ (phospho Ser232) Polyclonal Antibody(green) was diluted at 1:200(4°C overnight). (red) was diluted at 1:200(4°C overnight).



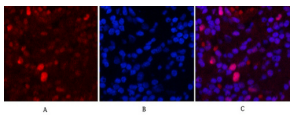
Immunohistochemical analysis of paraffin-embedded Human-uterus tissue. 1.PCNA Monoclonal antibody(12D10) was diluted at 1:200(4°C,overnight). 2.Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3.Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



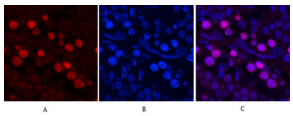
Immunohistochemical analysis of paraffin-embedded Rat-testis tissue. 1.PCNA Monoclonal antibody(12D10) was diluted at 1:200(4°C,overnight). 2.Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3.Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



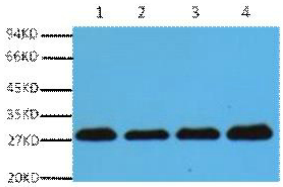
Immunohistochemical analysis of paraffin-embedded Mouse-liver tissue. 1.PCNA Monoclonal antibody(12D10) was diluted at 1:200(4°C,overnight). 2.Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3.Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunofluorescence analysis of Human-lung-cancer tissue. 1.PCNA Monoclonal antibody(12D10) (red) was diluted at 1:200(4°C,overnight). 2. Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3. Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Immunofluorescence analysis of Rat-testis tissue. 1.PCNA Monoclonal antibody(12D10)(red) was diluted at 1:200(4°C,overnight). 2. Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3. Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Western blot analysis of Hela (1) Rat brain (2) NIH 3T3 (3) 293T (4) diluted at 1:5000.

Storage

-20°C for one year

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