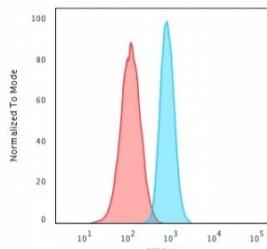


PCNA Antibody [clone PCNA/694] (V2775)

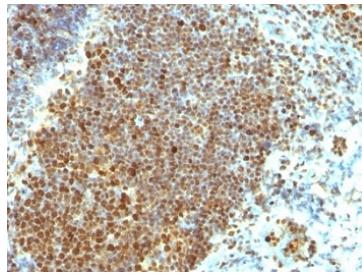
Catalog No.	Formulation	Size
V2775-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2775-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2775SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2775IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

[Bulk quote request](#)

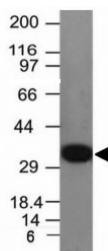
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	PCNA/694
Purity	Protein G affinity chromatography
UniProt	P12004
Localization	Predominantly nuclear, some cytoplasmic
Applications	Flow Cytometry : 1-2ug/10 ⁶ cells Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 0.25-0.5ug/ml for 30 min at RT
Limitations	This PCNA antibody is available for research use only.



Flow cytometry testing of PFA-fixed human HeLa cells with PCNA antibody (clone PCNA/694); Red=isotype control, Blue= PCNA antibody.



IHC: Formalin-fixed, paraffin-embedded human tonsil stained with PCNA antibody (clone PCNA/694).



Western blot analysis of HepG2 cell lysate using PCNA antibody (clone PCNA/694). Predicted molecular weight ~29 kDa, routinely observed at 29~36 kDa.

Description

Recognizes a non-histone protein of 36kDa, which is identified as proliferating cell nuclear antigen (PCNA). It is also known as cyclin or polymerase delta auxiliary protein. Elevated expression of PCNA/cyclin has been shown in the nucleus during late G1 phase immediately before the onset of DNA synthesis, becoming maximal during S-phase and declining during G2 and M phases. This mAb is excellent for multiple applications.

Application Notes

Optimal dilution of the PCNA antibody should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Recombinant full length human protein was used as the immunogen for the PCNA antibody.

Storage

Store the PCNA antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

