Data Sheet (Cat.No.TMAC-03101)

Anti-PCNA Antibody (2C751)

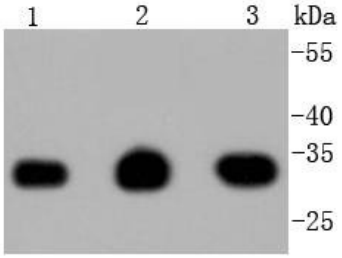
Product Details

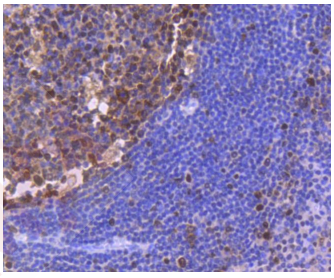
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 29 kDa.
Clone:	2C751
Purification:	ProA affinity purified

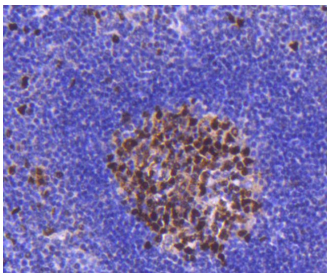
Applications

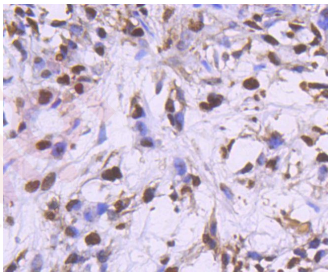
Verified Activity:

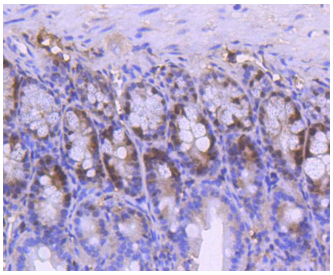
1. Western blot analysis of PCNA on different lysates using anti-PCNA antibody at 1/1,000 dilution. Positive control: Lane 1: Hela, Lane 2: 293, Lane 3: A431.
2. Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-PCNA antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-PCNA antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded human breast carcinama tissue using anti-PCNA antibody. Counter stained with hematoxylin.
5. Immunohistochemical analysis of paraffin-embedded mouse colon tissue using anti-PCNA antibody. Counter stained with hematoxylin.
6. Immunohistochemical analysis of paraffin-embedded mouse spleen tissue using anti-PCNA antibody. Counter stained with hematoxylin.
7. Immunohistochemical analysis of paraffin-embedded mouse stomach tissue using anti-PCNA antibody. Counter stained with hematoxylin.
8. Flow cytometric analysis of Hela cells with PCNA antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

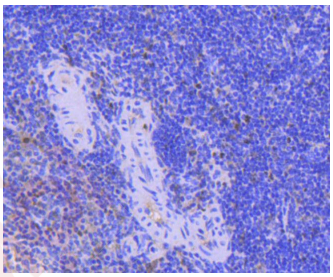


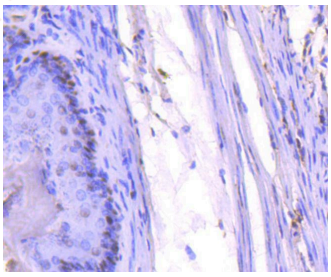


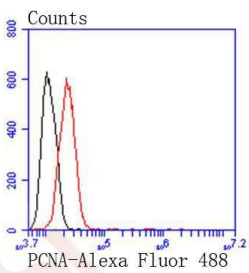












Application: FCM,ICC/IF,IHC,IP,WB

Recommended: WB: 1:1000-5000; IHC: 1:100-500; ICC/IF: 1:50-200; FCM: 1:50-100

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: P12004

Synonyms: proliferating cell nuclear antigen;ATLD2

Research Background

The proliferating cell nuclear antigen (PCNA), a protein synthesized in early G1 and S phases of the cell cycle, functions in cell cycle progression, DNA replication and DNA repair. In early S phase, PCNA exhibits granular distribution and is absent from the nucleoli; however, in late S phase, it relocates to the nucleoli. PCNA exists in two basic forms: one involved in ongoing DNA replication, which localizes specifically to the nucleus, and a second, soluble form, not implicated in constant synthesis. Interestingly, the latter form degrades in the presence of organic solvents, rendering it undetectable by histological methods in tissues using organic fixatives, and thus also providing a method of visualizing only the synthesizing form.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481