

Datasheet for ABIN1724759

anti-PCNA antibody (AA 53-196)[Go to Product page](#)

7 Images

2 Publications

Overview

Quantity:	100 µL
Target:	PCNA
Binding Specificity:	AA 53-196
Reactivity:	Human, Monkey
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PCNA antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS)

Product Details

Immunogen:	Purified recombinant fragment of human PCNA (AA: 53-196) expressed in E. coli.
Clone:	7H4F8
Isotype:	IgG1
Purification:	purified

Target Details

Target:	PCNA
Alternative Name:	PCNA (PCNA Products)
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

Target Details

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. , ,

Molecular Weight: 28.7 kDa

Gene ID: 5111

HGNC: 5111

Pathways: [Telomere Maintenance](#), [DNA Damage Repair](#), [Mitotic G1-G1/S Phases](#), [DNA Replication](#), [Synthesis of DNA](#), [Autophagy](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, FCM: 1:200 - 1:400

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

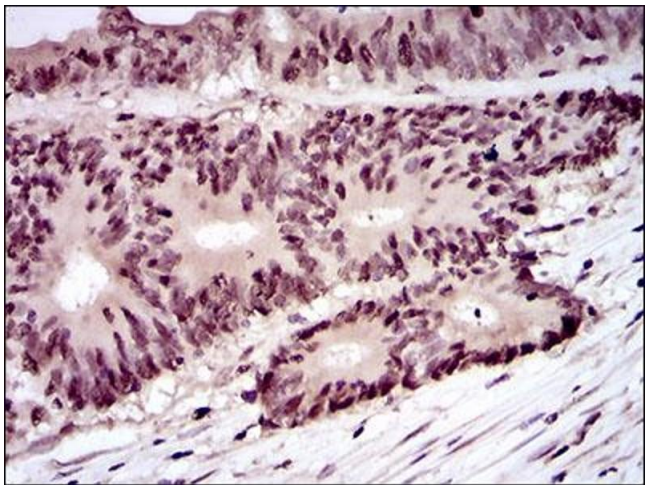
Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

Publications

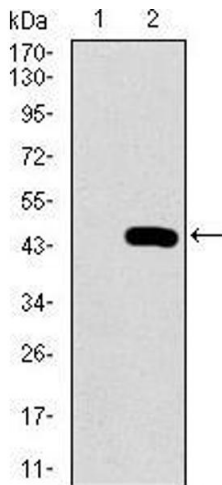
Product cited in: Galati, Magdinier, Colasanti, Bauwens, Pinte, Ricordy, Giraud-Panis, Pusch, Savino, Cacchione, Gilson: "TRF2 controls telomeric nucleosome organization in a cell cycle phase-dependent manner." in: **PLoS ONE**, Vol. 7, Issue 4, pp. e34386, (2012) ([PubMed](#)).

Diehl, Idowu, Kimmelshue, York, Jackson-Cook, Turner, Holt, Elmore: "Elevated TRF2 in advanced breast cancers with short telomeres." in: **Breast cancer research and treatment**, Vol. 127, Issue 3, pp. 623-30, (2011) ([PubMed](#)).



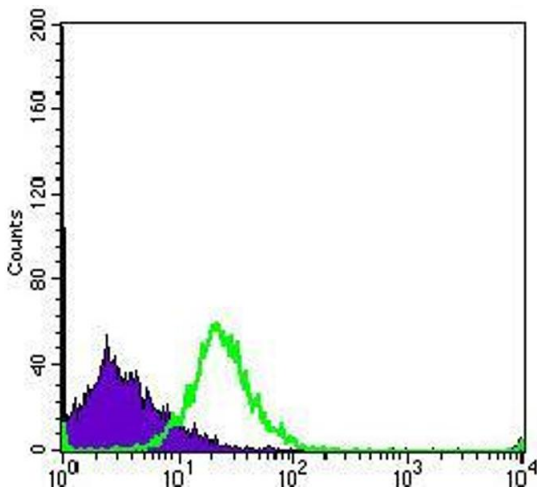
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded colon cancer tissues using PCNA mouse mAb with DAB staining.



Western Blotting

Image 2. Western blot analysis using PCNA mAb against HEK293 (1) and PCNA (AA: 53-196)-hIgGfC transfected HEK293 (2) cell lysate.



Flow Cytometry

Image 3. Flow cytometric analysis of MOLT4 cells using PCNA mouse mAb (green) and negative control (purple).

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN1724759.