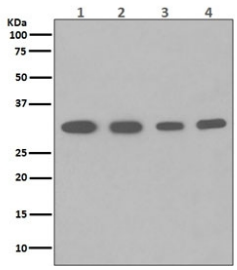
PCNA Antibody [clone DO-16] (RQ5380)

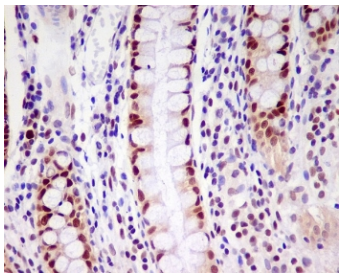
Catalog No.	Formulation	Size
RQ5380	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

Bulk quote request

Availability	1-2 weeks
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	DO-16
Purity	Affinity purified
UniProt	P12004
Localization	Nuclear
Applications	Western Blot : 1:3000-1:10000 Immunohistochemistry (FFPE) : 1:50-1:200
Limitations	This PCNA antibody is available for research use only.



Western blot testing of 1) human HeLa, 2) human HepG2, 3) human U937 and 4) mouse spleen lysate with PCNA antibody. Predicted molecular weight ~29 kDa, routinely observed at 29~36 kDa.



IHC staining of FFPE human colon tissue with PCNA antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.

Description

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. [RefSeq]

Application Notes

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

Immunogen

A synthetic peptide specific to human PCNA was used as the immunogen for the PCNA antibody.

Storage

Store the PCNA antibody at -20oC.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com

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