Product Datasheet

PCNA Antibody
NB100-475

Unit Size: 0.05 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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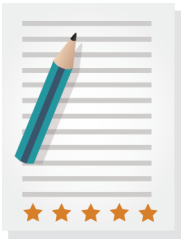

NB100-475

PCNA Antibody

Product Information

Unit Size	0.05 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Unpurified
Buffer	Whole antisera with 10mM PBS (pH 7.4)

Product Description

Host	Mouse
Gene ID	5111
Gene Symbol	PCNA
Species	Mouse
Reactivity Notes	Cross-reacts with Human. Not yet tested in other species. Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
Marker	Proliferation Marker
Specificity/Sensitivity	This partiular antiserum was raised against the interdomain connector loop region of PCNA, which is the region of PCNA through which many of the protein-protein interactions occur.
Immunogen	Recombinant fusion protein expressed in E.coli from PCNA interdomain connector loop protein. This immunogen is comprised of residues 107-196 of human PCNA. (The C-terminal portion of this antigen does not extend beyond the true IDCL of PCNA, and as such, also includes part of the PCNA D2E2 loop and the protein in between.)
Notes	This antibody was raised by a genetic immunization technique. Genetic immunization can be used to generate antibodies by directly delivering antigen-coding DNA into the animal, rather than injecting a protein or peptide (Tang et al. PubMed: 1545867; Chambers and Johnston PubMed 12910245; Barry and Johnston PubMed: 9234514). The animal's cells produce the protein, which stimulates the animal's immune system to produce antibodies against that particular protein. A vector coding for a partial fusion protein was used for genetic immunisation of a mouse and the resulting serum was tested in Western blot against an E.coli lysate containing that partial fusion protein. Genetic immunization offers enormous advantages over the traditional protein-based immunization method. DNA is faster, cheaper and easier to produce and can be produced by standard techniques readily amenable to automation. Furthermore, the antibodies generated by genetic immunization are usually of superior quality with regard to specificity, affinity and recognizing the native protein.

Product Application Details

Applications	Western Blot
Recommended Dilutions	Western Blot 1:1000

Application Notes	WB: Use at a dilution of 1/1000. Detects a band of approximately 31 kDa (predicted molecular weight: 31.3 kDa). Not tested in other applications.Optimal dilutions/concentrations should be determined by the end user. Use anti-mouse IgG secondary.

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Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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