

# Product Datasheet

## PCNA Antibody (PCNA/694) [DyLight 550] NBP2-47835R

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-47835R**

PCNA Antibody (PCNA/694) [DyLight 550]

| Product Information |                                                                                             |
|---------------------|---------------------------------------------------------------------------------------------|
| Unit Size           | 0.1 ml                                                                                      |
| Concentration       | Please see the vial label for concentration. If unlisted please contact technical services. |
| Storage             | Store at 4C in the dark.                                                                    |
| Clonality           | Monoclonal                                                                                  |
| Clone               | PCNA/694                                                                                    |
| Preservative        | 0.05% Sodium Azide                                                                          |
| Isotype             | IgG2a Kappa                                                                                 |
| Conjugate           | DyLight 550                                                                                 |
| Purity              | Protein A or G purified                                                                     |
| Buffer              | 50mM Sodium Borate                                                                          |

| Product Description     |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description             | This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.                                                                                                                                                                                                                                                                      |
| Host                    | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Gene ID                 | 5111                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Gene Symbol             | PCNA                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Species                 | Human, Canine                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Reactivity Notes        | Shows broad species reactivity.                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Marker                  | G1- & S-phase Marker                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Specificity/Sensitivity | 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 monoclonal antibody is excellent for multiple applications. |
| Immunogen               | Recombinant full length human PCNA protein (Uniprot: P12004)                                                                                                                                                                                                                                                                                                                                                                                               |
| Notes                   | DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.                                                                                                                                                                                                                                                                                                                                                                          |

| Product Application Details |                                                                                                                                                             |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Applications                | Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready, Immunofluorescence |
| Recommended Dilutions       | Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunofluorescence, CyTOF-ready |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined.                                                                                      |





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### **Products Related to NBP2-47835R**

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|             |                                                        |
|-------------|--------------------------------------------------------|
| NBP1-96981R | Mouse IgG2a Kappa Isotype Control (M2AK) [DyLight 550] |
| NBC1-18428  | Recombinant Human PCNA Protein                         |
| DVE00       | VEGF [HRP]                                             |
| NBL1-14184  | PCNA Overexpression Lysate                             |

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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.

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