

# Product Datasheet

## p53 Antibody (TRP/816) [DyLight 350] NBP2-59628UV

Unit Size: 100 ul

Store at 4C in the dark.

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**NBP2-59628UV**

p53 Antibody (TRP/816) [DyLight 350]

| Product Information  |   |
|----------------------|---|
| <b>Unit Size</b>     | 100 ul  |
| <b>Concentration</b> | Please see the vial label for concentration. If unlisted please contact technical services. |
| <b>Storage</b>       | Store at 4C in the dark.  |
| <b>Clonality</b>     | Monoclonal  |
| <b>Clone</b>         | TRP/816   |
| <b>Preservative</b>  | 0.05% Sodium Azide  |
| <b>Isotype</b>       | IgG2a Kappa   |
| <b>Conjugate</b>     | DyLight 350   |
| <b>Purity</b>        | Protein A or G purified   |
| <b>Buffer</b>        | 50mM Sodium Borate  |

| Product Description            |  |
|--------------------------------|--|
| <b>Description</b>             | 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.  |
| <b>Host</b>                    | Mouse  |
| <b>Gene ID</b>                 | 7157   |
| <b>Gene Symbol</b>             | TP53   |
| <b>Species</b>                 | Human  |
| <b>Specificity/Sensitivity</b> | The specificity of this monoclonal antibody to its intended target was validated by HuProt™ Array, containing more than 19,000, full-length human proteins. Recognizes a 53kDa protein, which is identified as p53 suppressor gene product. It reacts with the mutant as well as the wild form of p53 under denaturing and non-denaturing conditions. p53 is a tumor suppressor gene expressed in a wide variety of tissue types and is involved in regulating cell growth, replication, and apoptosis. It binds to MDM2, SV40 T antigen and human papilloma virus E6 protein. Positive nuclear staining with p53 antibody has been reported to be a negative prognostic factor in breast carcinoma, lung carcinoma, colorectal, and urothelial carcinoma. Anti-p53 positivity has also been used to differentiate uterine serous carcinoma from endometrioid carcinoma as well as to detect intratubular germ cell neoplasia. Mutations involving p53 are found in a wide variety of malignant tumors, including breast, ovarian, bladder, colon, lung, and melanoma. |
| <b>Immunogen</b>               | Recombinant human full-length p53 protein (Uniprot: P04637)  |
| <b>Notes</b>                   | DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.  |

| Product Application Details  |   |
|------------------------------|---|
| <b>Applications</b>          | Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array, CyTOF-ready, Knockout Validated |
| <b>Recommended Dilutions</b> | Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array, CyTOF-ready, Knockout Validated |
| <b>Application Notes</b>     | Optimal dilution of this antibody should be experimentally determined.  |





### Novus Biologicals USA

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### Bio-Techne Canada

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### Bio-Techne Ltd

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### General Contact Information

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### Products Related to NBP2-59628UV

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|               |  |
|---------------|--|
| NBP1-96981UV  | Mouse IgG2a Kappa Isotype Control (M2AK) [DyLight 350] |
| NBP2-56234PEP | p53 Recombinant Protein Antigen                        |
| 1129-ER-050   | ErbB2/Her2 [Unconjugated]                              |
| DYC1043-2     | p53 [Biotin]   |

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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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