

Product Datasheet

p53 Antibody (TRP/817) [CoraFluor™ 1] NBP3-11546CL1

Unit Size: 0.1 ml

Store at 4C in the dark. Do not freeze.

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NBP3-11546CL1

p53 Antibody (TRP/817) [CoraFluor™ 1]

| 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. Do not freeze. |
| Clonality | Monoclonal |
| Clone | TRP/817 |
| Preservative | No Preservative |
| Isotype | IgG2b Kappa |
| Conjugate | CoraFluor 1 |
| Purity | Protein A or G purified |
| Buffer | PBS |
| Product Description | |
| Description | <p>CoraFluor(TM) 1 is a high performance terbium-based TR-FRET (Time-Resolved Fluorescence Resonance Energy Transfer) or TRF (Time-Resolved Fluorescence) donor for high throughput assay development. CoraFluor(TM) 1 absorbs UV light at approximately 340 nm, and emits at approximately 490 nm, 545 nm, 585 nm and 620 nm. It is compatible with common acceptor dyes that absorb at the emission wavelengths of CoraFluor(TM) 1. CoraFluor(TM) 1 can be used for the development of robust and scalable TR-FRET binding assays such as target engagement, ternary complex, protein-protein interaction and protein quantification assays.</p> <p>CoraFluor(TM) 1, amine reactive</p> <p>CoraFluor(TM) 1, thiol reactive</p> <p>For more information, please see our CoraFluor(TM) TR-FRET technology flyer.</p> |
| Host | Mouse |
| Gene ID | 7157 |
| Gene Symbol | TP53 |
| Species | Human |
| Specificity/Sensitivity | 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 protein. 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. |
| Immunogen | Recombinant full-length human p53 protein (Uniprot: P04637) |
| Notes | CoraFluor (TM) is a trademark of Bio-Techne Corp. Sold for research purposes only under agreement from Massachusetts General Hospital. US patent 2022/0025254 |



| Product Application Details | |
|-----------------------------|--|
| Applications | Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Knockdown Validated, Knockout Validated |
| Recommended Dilutions | Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockout Validated, Knockdown Validated |
| Application Notes | Optimal dilution of this antibody should be experimentally determined. |





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Products Related to NBP3-11546CL1

| | |
|---------------|--|
| NBP2-34495PEP | p53 Recombinant Protein Antigen |
| 1129-ER-050 | ErbB2/Her2 [Unconjugated] |
| DYC1043-2 | p53 [Biotin] |
| AF835 | Caspase-3 Antibody [Unconjugated] - Active |

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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