

# Product Datasheet

## 53BP1 Antibody [Alexa Fluor™ Plus 488] NB100-304AFP488

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NB100-304AFP488**

53BP1 Antibody [Alexa Fluor™ Plus 488]

| 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           | Polyclonal   |
| Preservative        | 0.05% Sodium Azide   |
| Isotype             | IgG  |
| Conjugate           | Alexa Fluor Plus 488   |
| Purity              | Immunogen affinity purified  |
| Buffer              | 50mM Sodium Borate   |
| Product Description |  |
| Host                | Rabbit   |
| Gene ID             | 7158   |
| Gene Symbol         | TP53BP1  |
| Species             | Human, Mouse, Rat, Bat, Bovine, Canine, Fish, Goat, Primate  |
| Reactivity Notes    | Human reactivity reported in scientific literature (PMID:32877678). Human and mouse reactivity cited in numerous publications. Primate reactivity reported in scientific literature (PMID: 18389475). Fish reactivity reported in scientific literature (PMID: 25516420). Bat, canine, and bovine reactivity reported in scientific literature (PMID: 27573809). Predicted cross-reactivity based on sequence identity: Chimpanzee (96%), Gorilla (96%), Orangutan (96%), Gibbon (94%), Marmoset (92%), Feline (90%), Porcine (90%), Rabbit (90%), Sheep (90%).  |
| Marker              | DNA Double Strand Break Marker   |
| Immunogen           | Partial synthetic peptide made to an internal portion of human 53BP1 (between amino acids 350-400) [NP_005648.1].  |
| Notes               | This product is provided under an intellectual property license from Life Technologies Corporation. The transfer of this product is conditioned on the buyer using the purchased product solely in research conducted by the buyer, excluding contract research or any fee for service research, and the buyer must not (1) use this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; or (c) manufacturing or quality assurance or quality control, and/or (2) sell or transfer this product or its components for resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5781 Van Allen Way, Carlsbad, CA 92008 USA or <a href="mailto:outlicensing@thermofisher.com">outlicensing@thermofisher.com</a> . 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. |

**Product Application Details**

|                              |   |
|------------------------------|---|
| <b>Applications</b>          | Western Blot, Immunohistochemistry-Paraffin, Chromatin Immunoprecipitation, Flow Cytometry, Flow (Intracellular), Immunoblotting, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation, In-situ Hybridization, Chromatin Immunoprecipitation (ChIP), Knockdown Validated, Knockout Validated  |
| <b>Recommended Dilutions</b> | Western Blot, Chromatin Immunoprecipitation, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, Immunoblotting, In-situ Hybridization, Flow (Intracellular), Chromatin Immunoprecipitation (ChIP), Knockout Validated, Knockdown Validated |
| <b>Application Notes</b>     | Optimal dilution of this antibody should be experimentally determined.  |



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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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