## **Product Datasheet**

### 53BP1 Antibody [Alexa Fluor® 488] NB100-904AF488

Unit Size: 0.1 ml

Store at 4C in the dark.

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#### NB100-904AF488

53BP1 Antibody [Alexa Fluor® 488]

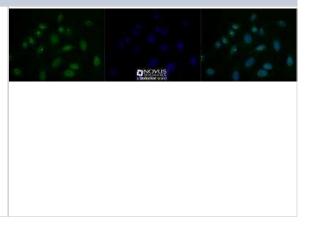
Product Information		
Unit Size	0.1 ml	
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.	
Storage	Store at 4C in the dark.	
Clonality	Polyclonal	
Preservative	0.05% Sodium Azide	
Isotype	IgG	
Conjugate	Alexa Fluor 488	
Purity	Immunogen affinity purified	
Buffer	50mM Sodium Borate	
Product Description		
Host	Rabbit	
Gene ID	7158	
Gene Symbol	TP53BP1	
Species	Human, Mouse, Other	
Reactivity Notes	Human has been tested in WB, IHC and ICC/IF, mouse has only been tested in ICC/IF. Other reactivity reported in scientific literature (PMID: 31105868). Predicted cross-reactivity based on sequence identity: Chimpanzee (99%), Orangutan (99%), Gibbon (98%), Gorilla (98%), Marmoset (95%)	
Marker	DNA Double Strand Break Marker	
Immunogen	53BP1 Antibody was made to a synthetic peptide corresponding to a portion of human 53BP1 encoded in exon 11, 12 and 19 [Uniprot: Q12888]. This antibody is a cocktail hybrid of NB100-304 and NB100-305.	
Notes	Alexa Fluor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: (i) in manufacturing; (ii) to provide a service, information, or data in return for payment; (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are 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, 5791 Van Allen Way, Carlsbad, CA 92008 USA or outlicensing@lifetech.com. 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		
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, In- situ Hybridization, Proximity Ligation Assay, Knockdown Validated	



	Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin, Proximity Ligation Assay, In-situ Hybridization, Knockdown Validated
Application Notes	Optimal dilution of this antibody should be experimentally determined.

#### Images

Immunocytochemistry/Immunofluorescence: 53BP1 Antibody [Alexa Fluor® 488] [NB100-904AF488] - HeLa cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X PBS + 0.5% Triton-X100. The cells were incubated with 53BP1 Antibody conjugated to Alexa Fluor 488 (Catalog #NB100-904AF488) at 10ug/ml for 1 hour at room temperature. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective.







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#### Products Related to NB100-904AF488

NBP2-24982	Rabbit IgG Isotype Control [Alexa Fluor® 488]
NB100-904AF647	53BP1 Antibody [Alexa Fluor® 647]
H00007158-Q01-10ug	Recombinant Human 53BP1 GST (N-Term) Protein
NB100-926-1Pack	53BP1 Antibody Pack

#### 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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