

# Product Datasheet

## 53BP1 Antibody [Alexa Fluor® 647] NB100-904AF647

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NB100-904AF647**

53BP1 Antibody [Alexa Fluor® 647]

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<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>	Polyclonal
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG
<b>Conjugate</b>	Alexa Fluor 647
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	50mM Sodium Borate
<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	7158
<b>Gene Symbol</b>	TP53BP1
<b>Species</b>	Human, Mouse, Other
<b>Reactivity Notes</b>	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%)
<b>Marker</b>	DNA Double Strand Break Marker
<b>Immunogen</b>	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.
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<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, In-situ Hybridization, Proximity Ligation Assay, Knockdown Validated

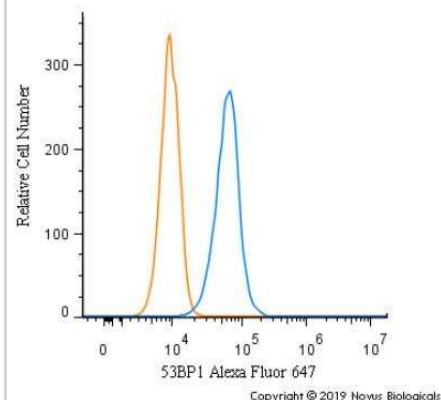


<b>Recommended Dilutions</b>	Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin, Proximity Ligation Assay, In-situ Hybridization, Knockdown Validated
<b>Application Notes</b>	Optimal dilution of this antibody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

## Images

### Flow Cytometry: 53BP1 Antibody [Alexa Fluor® 647] [NB100-904AF647]

- An intracellular stain was performed on HeLa cells with 53BP1 Antibody (Catalog #NB100-904AF647) (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Alexa Fluor 647.





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### **Products Related to NB100-904AF647**

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NBP2-24891AF647	Rabbit IgG Isotype Control [Alexa Fluor® 647]
NB100-904AF700	53BP1 Antibody [Alexa Fluor® 700]
H00007158-Q01-10ug	Recombinant Human 53BP1 GST (N-Term) Protein
NB100-926-1Pack	53BP1 Antibody Pack

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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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