

Product datasheet for **TA309917**

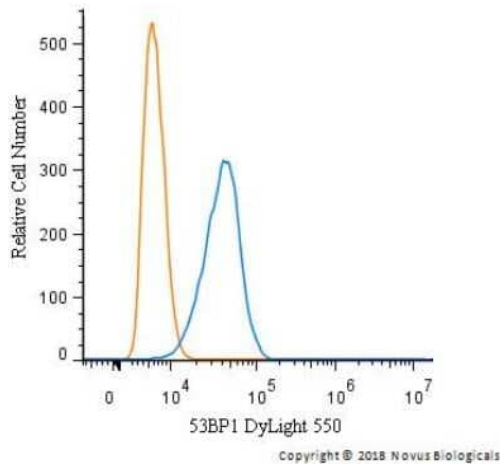
53BP1 (TP53BP1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, ICC/IF, IHC, IP, WB
Recommended Dilution:	Immunocytochemistry/ Immunofluorescence, Western Blot: 1:1000 - 1:10000, Immunohistochemistry: 1:400, Immunohistochemistry-Paraffin: 1:400, Proximity Ligation Assay, Flow Cytometry: 2 - 5 ug/mL, Immunoprecipitation, In-situ Hybridization, Knockdown Validated
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	A synthetic peptide, which represented a portion of human tumor protein p53-binding protein 1 encoded in exon 11, 12 and 19 (LocusLink ID 7158). This antibody is a cocktail hybrid of NB 100-304 and NB 100-305.
Formulation:	Tris-citrate/phosphate (pH 7-8) buffer. and 0.1% Sodium Azide
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	tumor protein p53 binding protein 1
Database Link:	NP_005648 Entrez Gene 7158 Human Q12888
Synonyms:	53BP1; p202
Protein Families:	Druggable Genome, Transcription Factors



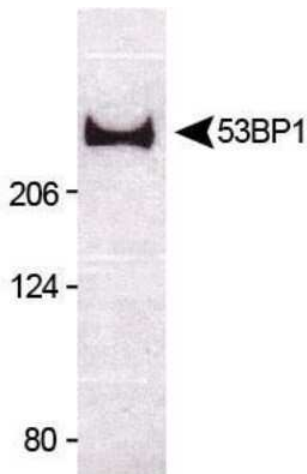
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Product images:


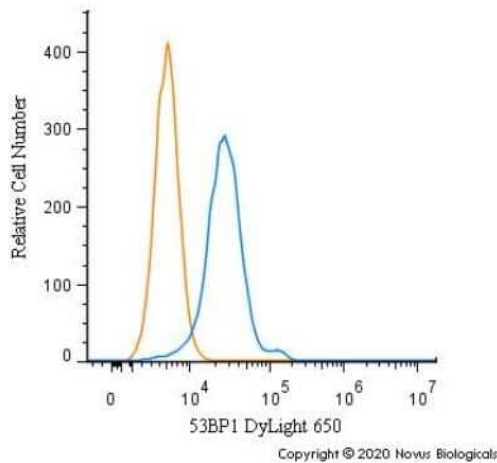
Flow Cytometry: 53BP1 Antibody - BSA Free TA309917 - An intracellular stain was performed on HeLa cells (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to DyLight 550.



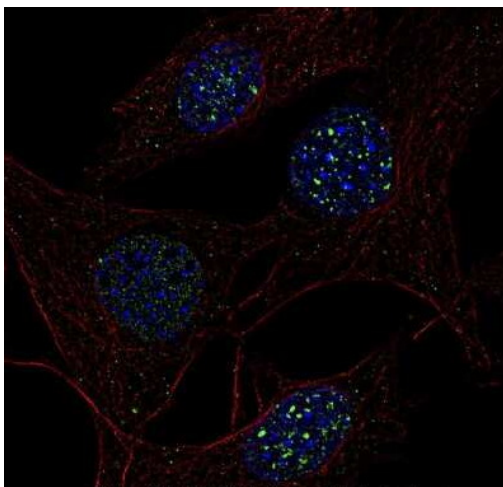
Immunocytochemistry/Immunofluorescence: 53BP1 Antibody - BSA Free TA309917 - HeLa cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X PBS + 0.5% Triton X-100. The cells were incubated with 53BP1 Antibody conjugated to Alexa Fluor 488 (Catalog #TA309917AF488) at 10ug/mL for 1 hour at room temperature. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective.



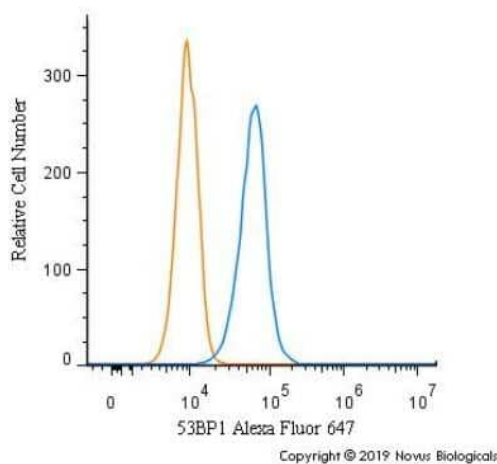
Western Blot: 53BP1 Antibody - BSA Free TA309917 - Western blot analysis of untreated U2OS cell lysate blotted with 53BP1 Antibody. The observed molecular weight here is ~220 kDa, and the theoretical molecular weight is 214 kDa.



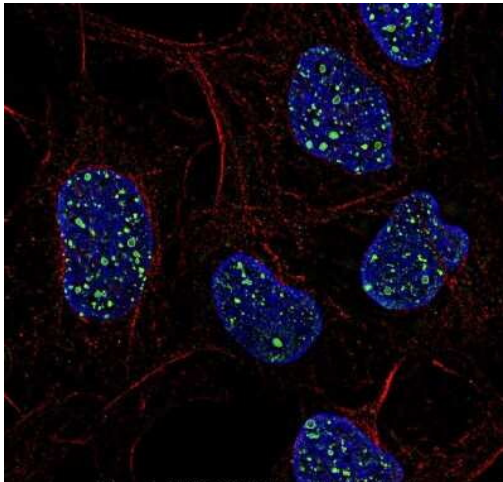
Flow Cytometry: 53BP1 Antibody - BSA Free TA309917 - An intracellular stain was performed on HeLa cells with 53BP1 Antibody (Catalog # [TA309917C]) (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to DyLight 650.



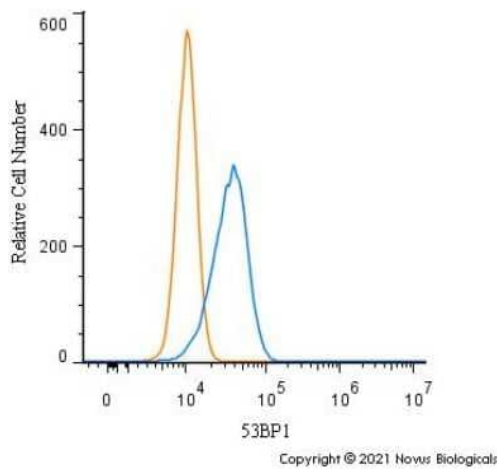
Immunocytochemistry/Immunofluorescence: 53BP1 Antibody - BSA Free TA309917 - NIH3T3 cells were fixed in 4% paraformaldehyde for 10 minutes and permeabilized in 0.5% Triton X-100 in PBS for 5 minutes. The cells were incubated with anti- TA309917 at 2 ug/ml overnight at 4C and detected with an anti-rabbit DyLight 488 (Green) at a 1:1000 dilution for 60 minutes. Alpha tubulin (DM1A) NB100-690 was used as a co-stain at a 1:1000 dilution and detected with an anti-mouse DyLight 550 (Red) at a 1:1000 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 100X objective and digitally deconvolved.



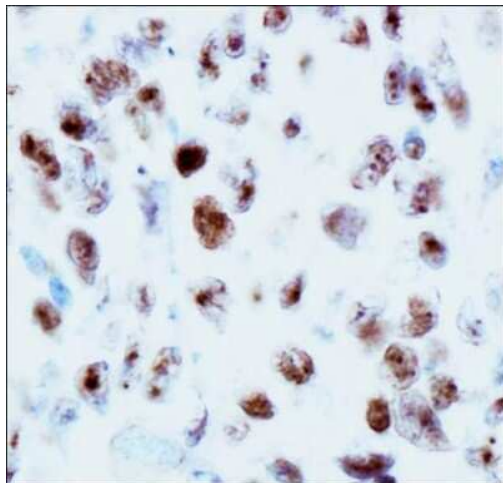
Flow Cytometry: 53BP1 Antibody - BSA Free TA309917 - An intracellular stain was performed on HeLa cells with 53BP1 Antibody (Catalog #TA309917AF647) (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Alexa Fluor 647.



Immunocytochemistry/Immunofluorescence: 53BP1 Antibody - BSA Free TA309917 - Ntera2 cells were fixed in 4% paraformaldehyde for 10 minutes and permeabilized in 0.5% Triton X-100 in PBS for 5 minutes. The cells were incubated with anti-53BP1 Antibody TA309917 at 2 ug/ml overnight at 4C and detected with an anti-rabbit Dylight 488 (Green) at a 1:1000 dilution for 60 minutes. Alpha tubulin (DM1A) NB100-690 was used as a co-stain at a 1:1000 dilution and detected with an anti-mouse Dylight 550 (Red) at a 1:1000 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 100X objective and digitally deconvolved.



Flow Cytometry: 53BP1 Antibody - BSA Free TA309917 - An intracellular stain was performed on Ntera2 cells with 53BP1 Antibody TA309917 (blue) and a matched isotype control NBP2-24891 (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 1.0 ug/mL for 30 minutes at room temperature, followed by Rabbit IgG (H+L) Cross-Adsorbed Secondary Antibody, Dylight 550 (SA5-10033, Thermo Fisher).



Immunohistochemistry: 53BP1 Antibody - BSA Free TA309917 - Staining of 53BP1 in human renal cancer cells using DAB with hematoxylin counterstain.