Product Datasheet

53BP1 Antibody Pack NB100-926-1Pack

Unit Size: 1 Pack

Store at -20C.

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Publications: 11

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NB100-926-1Pack

53BP1 Antibody Pack

Product Information	
Unit Size	1 Pack
Concentration	Concentration of individual antibodies may be found on the vial label. If unlisted please contact technical services.
Storage	Store at -20C.
Preservative	0.09% Sodium Azide
Purity	Immunogen affinity purified
Buffer	Tris-citrate/phosphate buffer, pH 7 to 8
Product Description	
Description	This pack contains 1 vial each of: NB100-304 (0.1 mL) and NB100-305 (0.1 mL).
Gene ID	7158
Gene Symbol	TP53BP1
Species	Human, Mouse, Rat, Bat, Bovine, Canine, Fish, Goat, Naked mole-rat, Primate
Reactivity Notes	Antibodies in this pack are validated for use in the following species: NB100-305: Bat, Bovine, Canine, Human, Mouse, Naked mole-rat, Rat NB100-304: Bat, Bovine, Canine, Fish, Goat, Human, Mouse, Primate, Rat Predicted cross-reactivity based on sequence identity: Chimpanzee (99%), Orangutan (99%), Gorilla (98%), Gibbon (98%), Marmoset (95%)
Specificity/Sensitivity	The antibodies included in 53BP1 Antibody Pack are specific for 53BP1.
Immunogen	See individual datasheets.
Kit Components	NB100-305: 53BP1 Antibody - BSA Free, NB100-304: 53BP1 Antibody - BSA Free
Product Application Details	
Applications	Western Blot, Flow Cytometry, Flow (Intracellular), Immunoblotting, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation, In-situ Hybridization, Chromatin Immunoprecipitation (ChIP), Knockdown Validated, Knockout Validated
Recommended Dilutions	Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, Immunoblotting, In-situ Hybridization, Flow (Intracellular), Chromatin Immunoprecipitation (ChIP), Knockout Validated, Knockdown Validated
Application Notes	Antibodies in this pack are validated for the following applications: NB100-305: Chromatin Immunoprecipitation, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Knockdown Validated, Western Blot NB100-304: Chromatin Immunoprecipitation, Flow (Intracellular), Flow Cytometry, Immunoblotting, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry- Paraffin, Immunoprecipitation, In-situ Hybridization, Knockdown Validated, Knockout Validated, Western Blot

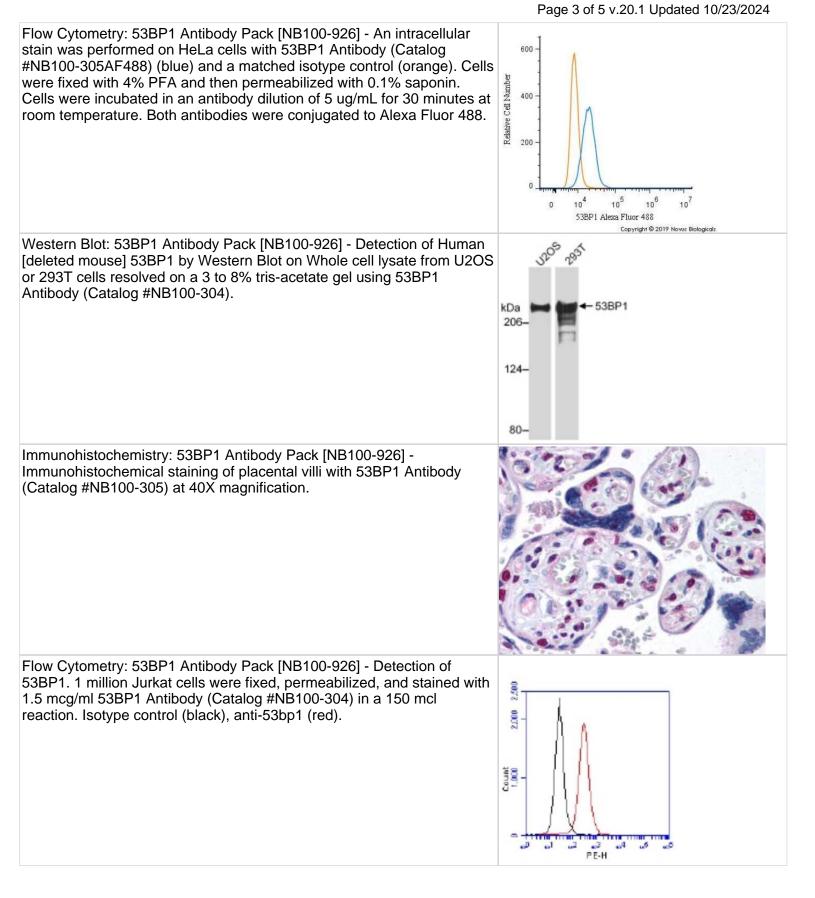


Images

Knockout Validated: 53BP1 Antibody Pack [NB100-926] - 53BP1 was detected in immersion fixed HeLa cells (left) but was not detected in 53BP1 knockout Hela cells (right) using Rabbit Anti-human 53BP1 polyclonal antibody (Catalog #NB100-304) at 0.3 ug/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557conjugated Anti-Rabbit IgG Secondary Antibody (red; Catalog # NL004) and counterstained with DAPI (blue). Specific staining was localized to nuclei. Western Blot: 53BP1 Antibody Pack [NB100-926] - Western blot analysis of human 53BP1, blotted with 53BP1 antibody (Catalog #NB100-305). Sample: Whole cell lysate (20 ug/lane) from U2Os cells resolved on a 3 to 8% trisacetate gel. A band appears at approximately the theoretical -53BP1 kDa molecular weight of 214 kDa. 206 124-80-Immunocytochemistry/Immunofluorescence: 53BP1 Antibody Pack [NB100-926] - Exosomes modulate the repair of DNA DSBs in irradiated recipient cells. Representative images of 53BP1 foci in BHY cells 6 hours after 2 Gy and transfer of BHY exosomes isolated 24 hours after irradiation with 0, 3, 6 or 9 Gy (53BP1 foci green, nuclei blue) using NB100-305. Image collected and cropped by CiteAb from the following publication (//dx.plos.org/10.1371/journal.pone.0152213), licensed under a CC-BY license. Immunohistochemistry: 53BP1 Antibody Pack [NB100-926] -Immunohistochemical analysis of human breast tumors stained with 53BP1 antibody (Catalog #NB100-304). Image from verified customer review. lo 1st antibodi

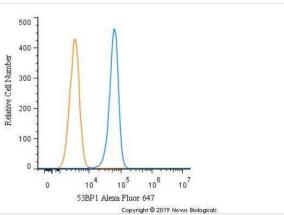








Flow Cytometry: 53BP1 Antibody Pack [NB100-926] - An intracellular stain was performed on RH-30 cells with 53BP1 Antibody (Catalog #NB100-304AF647) (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Alexa Fluor 647.



Publications

Sten M. Wie, Tariq S. Adwan, James DeGregori, Steven M. Anderson, Mary E. Reyland Inhibiting Tyrosine Phosphorylation of Protein Kinase Cδ (PKCδ) Protects the Salivary Gland from Radiation Damage The Journal of Biological Chemistry 2014-04-11 [PMID: 24569990]

Cuzzone Daniel A, Weitman Evan S, Albano Nicholas J et al. IL-6 regulates adipose deposition and homeostasis in lymphedema. Am J Physiol Heart Circ Physiol. 2014-05-15 [PMID: 24633552]

Su C Tanshinone IIA inhibits human gastric carcinoma AGS cell growth by decreasing BiP, TCTP, Mcl 1 and Bcl xL and increasing Bax and CHOP protein expression. Int J Mol Med 2014-01-12 [PMID: 25270224]

Wang W, Le AA, Hou B et al. Memory-Related Synaptic Plasticity Is Sexually Dimorphic in Rodent Hippocampus. J. Neurosci. 2018-09-12 [PMID: 30209204]

Zimmermann M, Arachchige-Don AS, Donaldson MS et al. Elevated cyclin G2 expression intersects with DNA damage checkpoint signaling and is required for a potent G2/M checkpoint arrest response to doxorubicin. J Biol Chem 2012-06-29 [PMID: 22589537]

Mano M, Ippodrino R, Zentilin L et al. Genome-wide RNAi screening identifies host restriction factors critical for in vivo AAV transduction Proc Natl Acad Sci U S A. 2015-09-07 [PMID: 26305933]

Paladino David, Yue Peibin, Furuya Hideki et al. A novel nuclear Src and p300 signaling axis controls migratory and invasive behavior in pancreatic cancer. Oncotarget 2016-01-01 [PMID: 26695438]

Arif A, Jia J, Willard B et al. Multisite Phosphorylation of S6K1 Directs a Kinase Phospho-code that Determines Substrate Selection. Mol. Cell 2018-12-27 [PMID: 30612880]

Wang Z, Yin H, Zhang Y et al. miR-214-mediated downregulation of RNF8 induces chromosomal instability in ovarian cancer cells. Cell Cycle 2014-01-01 [PMID: 25483088] (WB)

Sin HS, Barski A, Zhang F et al. RNF8 regulates active epigenetic modifications and escape gene activation from inactive sex chromosomes in post-meiotic spermatids Genes Dev 2012-12-15 [PMID: 23249736] (ICC/IF, IF/IHC, Mouse)

Kang Y, Lee J-H, Hoan NN et al. Protein Phosphatase 5 Regulates the Function of 53BP1 after Neocarzinostatininduced DNA Damage. J Biol Chem;284(15):9845-9853. 2009-01-01 [PMID: 19176521]





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Products Related to NB100-926-1Pack

H00007158-Q01-10ug	Recombinant Human 53BP1 GST (N-Term) Protein
NB100-143	Nbs1 Antibody
NB100-304	53BP1 Antibody - BSA Free
NB110-57130	TRF-2 Antibody - BSA Free

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Antibody Packs are guaranteed for 1 year from date of receipt.

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