

Product Datasheet

53BP1 Antibody - BSA Free NBP2-54677

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-54677

53BP1 Antibody - BSA Free

Product Information	
Unit Size	100 ul
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

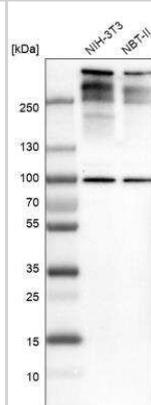
Product Description	
Description	Novus Biologicals Rabbit 53BP1 Antibody - BSA Free (NBP2-54677) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	7158
Gene Symbol	TP53BP1
Species	Human, Mouse, Rat
Reactivity Notes	Predicted cross-reactivity based on sequence identity: Human (100%), Gibbon (99%), Orangutan (99%), Chimpanzee (98%), Gorilla (97%), Marmoset (96%), Feline (94%), Rabbit (94%), Canine (93%), Bat (92%), Panda (92%), Equine (91%), Sheep (91%)
Immunogen	53BP1 Antibody was made to a recombinant protein corresponding to amino acids: VPSPATRSEALSSVLDQEEAMEIKEHHPEEGSSGSEVEEIPETPCESQGEELKE ENMESVPLHLSLTETQSQGLCLQKEMPKKECSEAMEVETSVISIDSPQKLA

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Knockdown Validated
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500, Knockdown Validated
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

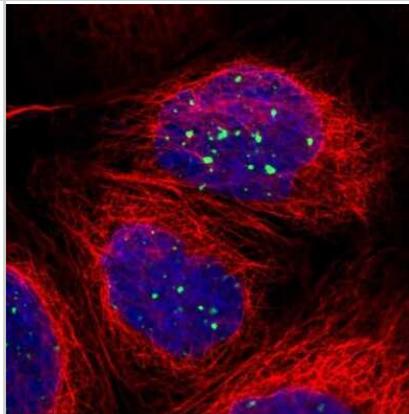


Images

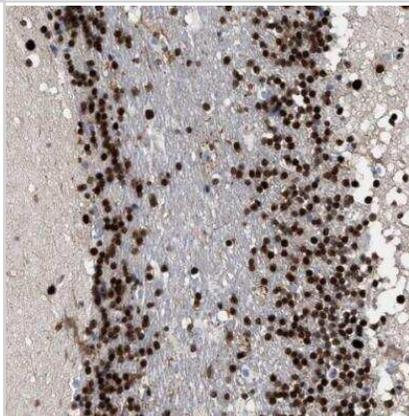
Western Blot: 53BP1 Antibody [NBP2-54677] - Western blot analysis in mouse cell line NIH-3T3 and rat cell line NBT-II. The observed molecular weight as seen on this gel as greater than 250 kDa and the theoretical molecular weight of the whole endogenous protein is 214 kDa.



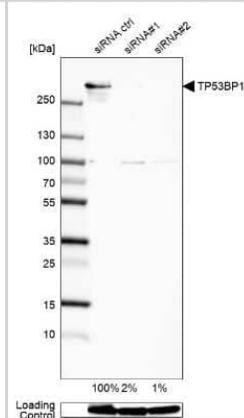
Immunocytochemistry/Immunofluorescence: 53BP1 Antibody [NBP2-54677] - Staining of human cell line A-431 with 53BP1 Antibody shows localization to nuclear bodies. Antibody staining is shown in green.



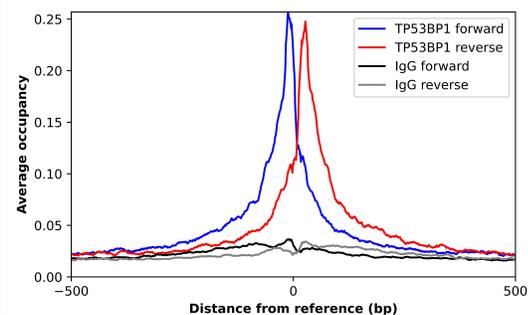
Immunohistochemistry-Paraffin: 53BP1 Antibody [NBP2-54677] - Staining of human cerebellum with 53BP1 Antibody shows strong nuclear positivity.



Western Blot: 53BP1 Antibody [NBP2-54677] - Western blot analysis in U-138MG cells transfected with control siRNA, target specific siRNA probe #1 and #2. Remaining relative intensity is presented. Loading control: Anti-GAPDH. The observed molecular weight as seen on this gel as greater than 250 kDa and the theoretical molecular weight of the whole endogenous protein is 214 kDa.



ChIP-Exo-Seq composite graph for Anti-53BP1 tested in K562 cells. Strand-specific reads (blue: forward, red: reverse) and IgG controls (black: forward, grey: reverse) are plotted against the distance from a composite set of reference binding sites. The antibody exhibits robust target enrichment compared to a non-specific IgG control and precisely reveals its structural organization around the binding site. Data generated by Prof. B. F. Pugh's Lab at Cornell University.





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP2-54677

NBP2-54677PEP	53BP1 Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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