

# 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**

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

**Product Description**

<b>Description</b>	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.
<b>Host</b>	Rabbit
<b>Gene ID</b>	7158
<b>Gene Symbol</b>	TP53BP1
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	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%)
<b>Immunogen</b>	53BP1 Antibody was made to a recombinant protein corresponding to amino acids: VPSPATRSEALSSVLDQEEAMEIKEHHPEEGSSGSEVEEIPETPCESQGEELKE ENMESVPLHLSTETQSQGLCLQKEMPKKECSEAMEVETSVISIDSPQKLA

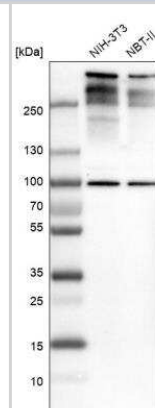
**Product Application Details**

<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Knockdown Validated
<b>Recommended Dilutions</b>	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
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

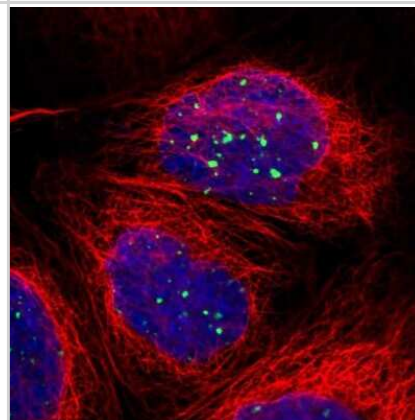


## Images

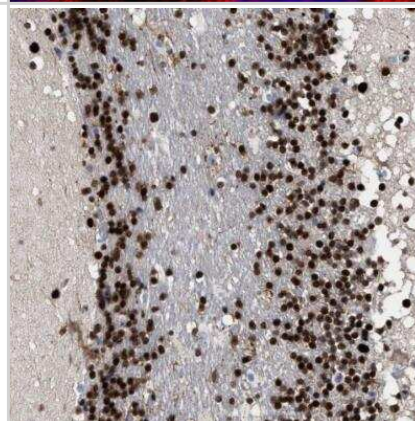
Western Blot: 53BP1 Antibody [NBP2-54677] - Western blot analysis in mouse cell line NIH-3T3 and rat cell line NBT-II. The observed molecular weight as seen on this gel as greater than 250 kDa and the theoretical molecular weight of the whole endogenous protein is 214 kDa.



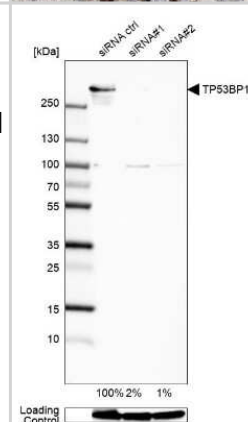
Immunocytochemistry/Immunofluorescence: 53BP1 Antibody [NBP2-54677] - Staining of human cell line A-431 with 53BP1 Antibody shows localization to nuclear bodies. Antibody staining is shown in green.



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.





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### **Products Related to NBP2-54677**

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

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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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