

Product Datasheet

p53 Antibody (PAb 240) - Azide and BSA Free NBP2-80898

Unit Size: 0.1 ml

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

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NBP2-80898

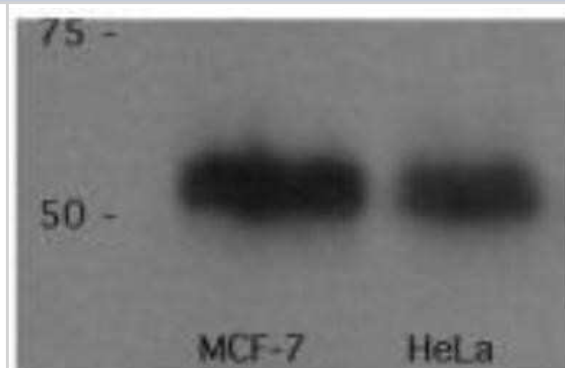
p53 Antibody (PAb 240) - Azide and BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	PAb 240
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	PBS
Product Description	
Description	Novus Biologicals Mouse p53 Antibody (PAb 240) - Azide and BSA Free (NB200-103) is a monoclonal antibody validated for use in IHC, WB, ELISA, Flow, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	7157
Gene Symbol	TP53
Species	Human, Mouse, Rat, Yeast, Xenopus (Negative)
Reactivity Notes	Yeast reactivity reported in scientific literature (PMID: 8710879)
Immunogen	Gel-purified p53-beta-galactosidase fusion protein containing murine p53 from aa 14-389 (derived from pSV53C cDNA clone).
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation, CyTOF-ready
Recommended Dilutions	Western Blot 1:1000-1:2000, Flow Cytometry 1:10-1:1000, ELISA 1:100-1:2000, Immunohistochemistry 1:250-1:500, Immunocytochemistry/ Immunofluorescence 5 ug/ml. Use reported in scientific literature (PMID 1394225), Immunoprecipitation 10ug/mg, Immunohistochemistry-Paraffin 1:250-1:500, Immunohistochemistry-Frozen reported in multiple pieces of scientific literature, Flow (Intracellular), CyTOF-ready
Application Notes	Antigen retrieval with IHC-P is not essential but may optimize staining. In IP this antibody reacts with only mutant p53 protein under non-denaturing conditions. This antibody is CyTOF ready.

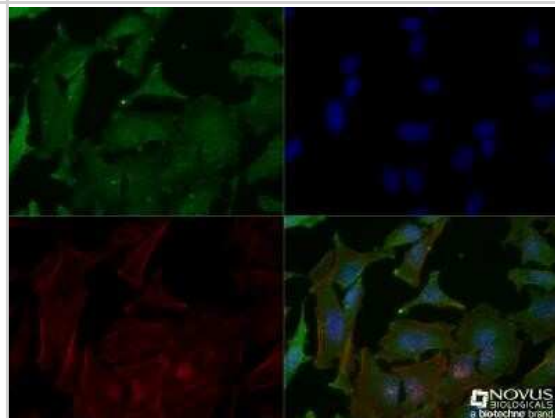


Images

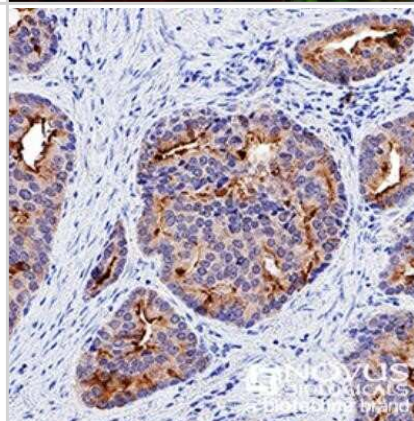
Western Blot: p53 Antibody (PAb 240) - Azide and BSA Free [NBP2-80898] - Analysis of p53 in MCF7 and HeLa lystate. Image courtesy of anonymous customer product review. Image from the standard format of this antibody.



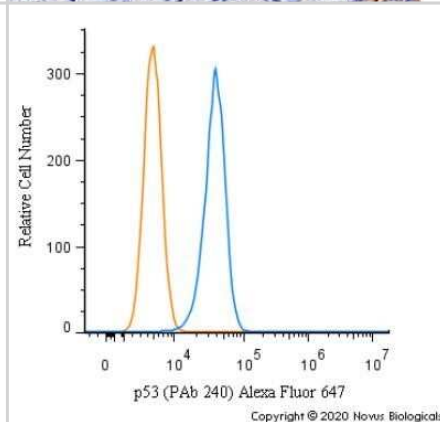
Immunocytochemistry/Immunofluorescence: p53 Antibody (PAb 240) - Azide and BSA Free [NBP2-80898] - HeLa cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton X-100. The cells were incubated with anti-p53 (PAb 240) [NB200-103] at a 1:200 dilution overnight at 4C and detected with an anti-mouse DyLight 488 (Green) at a 1:500 dilution. Actin was detected with Phalloidin 568 (Red) at a 1:200 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective. Image from the standard format of this antibody.



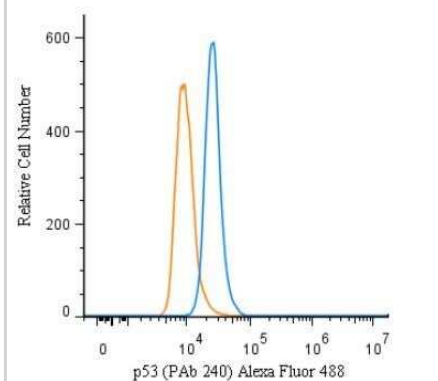
Immunohistochemistry: p53 Antibody (PAb 240) - Azide and BSA Free [NBP2-80898] - p53 was detected in immersion fixed paraffin-embedded sections of human prostate cancer using anti-human mouse monoclonal antibody (Catalog # NB200-103) at 1:200 dilution overnight at 4C. Tissue was stained using the VisuCyte anti-mouse HRP polymer detect



Flow Cytometry: p53 Antibody (PAb 240) - Azide and BSA Free [NBP2-80898] - An intracellular stain was performed on MCF7 cells with p53 [PAb 240] Antibody NB200-103AF647 (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 directly conjugated to Alexa Fluor 647.

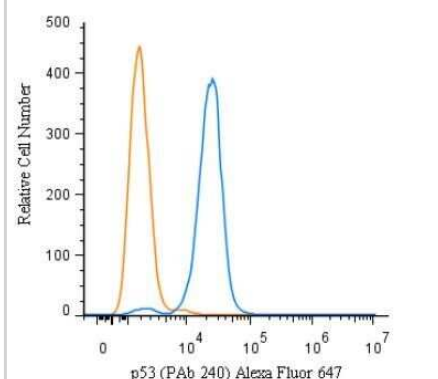


Flow Cytometry: p53 Antibody (PAb 240) - Azide and BSA Free [NBP2-80898] - An intracellular stain was performed on A549 cells with p53 (PAb240) NB200-103AF488 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeablized with 0.1% saponin. Cells were incubated in an antibody dilution of 10 ug/mL for 30 minutes at room temperature. Both antibodies were directly conjugated to Alexa Fluor 488.



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Flow Cytometry: p53 Antibody (PAb 240) - Azide and BSA Free [NBP2-80898] - An intracellular stain was performed on HeLa cells with p53 (PAb240) NB200-103AF647 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeablized 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 directly conjugated to Alexa Fluor 647.



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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP2-56234PEP	p53 Recombinant Protein Antigen

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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