

Product Datasheet

p73 Antibody (5B429) - Azide and BSA Free NBP2-33259

Unit Size: 0.1 mg

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

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NBP2-33259

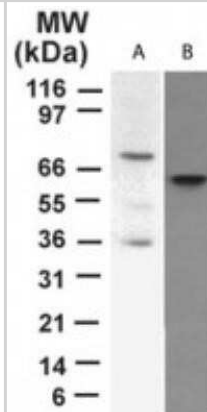
p73 Antibody (5B429) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Please see the 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	Monoclonal
Clone	5B429
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	PBS
Product Description	
Description	Novus Biologicals Mouse p73 Antibody (5B429) - Azide and BSA Free (NBP2-24737) is a monoclonal antibody validated for use in IHC, WB, Flow, ICC/IF, Simple Western, IP and ChIP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	7161
Gene Symbol	TP73
Species	Human, Mouse, Rat
Specificity/Sensitivity	p73 antibody (clone 5B429) recognizes all of the TAp73 isoforms i.e. isoforms with an intact NH ₂ -terminal transactivation domain (Thottassery et al, 2006, PMID 16505115). Sayan et al 2005 (PMID 15781249) showed that p73 IMG-246/NBP2-24737 reacted with all tested TAp73 isoforms but not deltaNp73 whereas p73 antibody clone 5B1288 (NB100-56674 / IMG-259A) showed reactivity against all p73 isoforms including delta Np73. Caspase-cleaved p73 fragments, including 55 kDa and 45 kDa, have been described in literature (Sayan et al, 2008).
Immunogen	This antibody was raised against full-length human p73. It reacts with an epitope that is located on the N-terminal region of human p73. It does not cross react with p53.
Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 2 ug/ml, Simple Western, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 5-15 ug/ml, Immunohistochemistry-Frozen 5-15 ug/ml, Chromatin Immunoprecipitation (ChIP) 1:10-1:500
Application Notes	See Simple Western Antibody Database for Simple Western validation

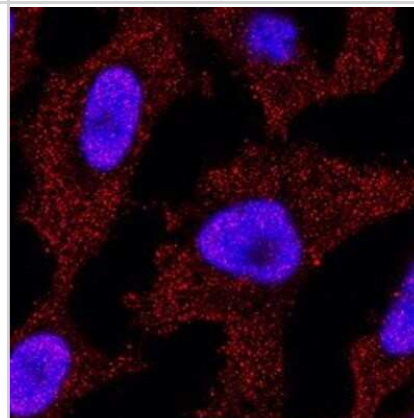


Images

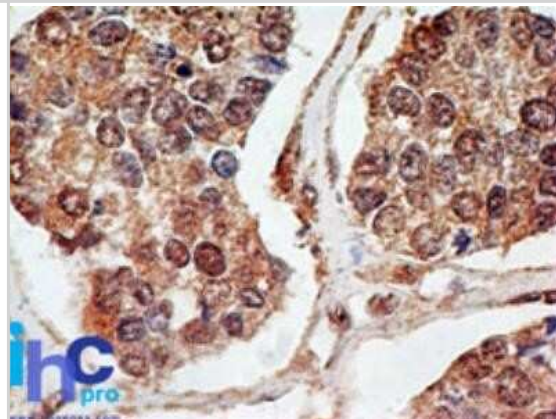
Western Blot: p73 Antibody (5B429) - Azide Free [NBP2-33259] - Analysis of p73 in A) transfected cell lysate and B) HeLa cell lysate at 2 ug/ml. Image from the standard format of this antibody.



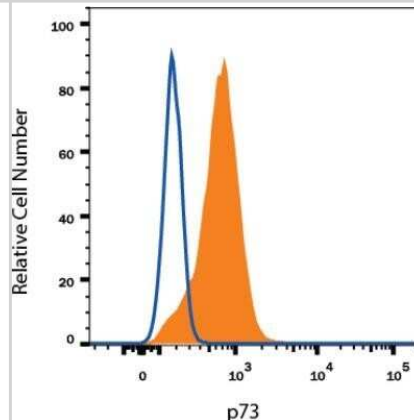
Immunocytochemistry/Immunofluorescence: p73 Antibody (5B429) - Azide Free [NBP2-33259] - p73 was detected in immersion fixed Hela human cell line using p73 [5B429] Monoclonal Antibody (Catalog # NBP2-24737) at 3 ug/mL for 3 hours at room temperature. Cells were stained using the NorthernLights(TM) 557-conjugated Anti-Mouse IgG Secondary Antibody (red; Catalog # NL007) and counterstained with DAPI (blue). Staining was observed in the cytoplasm and in the nuclei. Image from the standard format of this antibody.



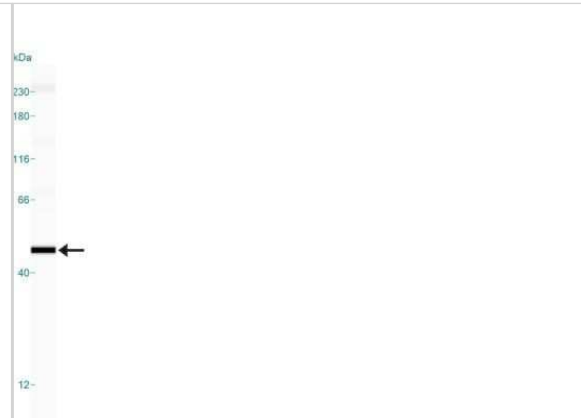
Immunohistochemistry-Paraffin: p73 Antibody (5B429) - Azide Free [NBP2-33259] - FFPE breast cancer probed with p73 antibody at 5 ug/ml. Human tissue was used for this test. Staining of tissues is enhanced by boiling tissue sections in 10 mM sodium citrate buffer, pH 6.0 for 10-20 min followed by cooling at RT for 20 min. Image from t



Flow Cytometry: p73 Antibody (5B429) - Azide Free [NBP2-33259] - Detection of p73 in Human HeLa Cell Line. Human HeLa cell line was stained with Mouse Anti- p73 Monoclonal Antibody (Catalog # NBP2-24737, filled histogram), or Mouse IgG1 isotype control (Catalog # MAB002, open histogram) followed by APC-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0101B). To facilitate intracellular staining, cells were fixed with Flow Cytometry Fixation Buffer (Catalog # FC004) and permeabilized with Flow Cytometry Permeabilization/Wash Buffer I (Catalog # FC005). Images may not be copied, printed or otherwise disseminated without express written permission of Novus Biologicals a Bio-Techne brand. Image from the standard format of this antibody.



Simple Western: p73 Antibody (5B429) - Azide Free [NBP2-33259] - Lane view shows a specific band for p73 in 1.0 mg/ml of HeLa lysate. This experiment was performed under reducing conditions using the 12-230kDa separation system. * Non-specific interaction with the 230 kDa Simple Western standard may be seen with this antibody. Image from the standard format of this antibody.





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Products Related to NBP2-33259

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

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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