

Product Datasheet

USP53 Antibody - Azide and BSA Free H00054532-B01P

Unit Size: 0.05 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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H00054532-B01P

USP53 Antibody - Azide and BSA Free

Product Information	
Unit Size	0.05 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Protein A purified
Buffer	PBS (pH 7.4)

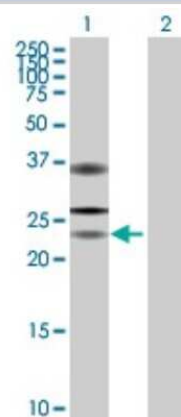
Product Description	
Description	Novus Biologicals Mouse USP53 Antibody - Azide and BSA Free (H00054532-B01P) is a polyclonal antibody validated for use in WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	54532
Gene Symbol	USP53
Species	Human
Specificity/Sensitivity	USP53 - ubiquitin specific peptidase 53,
Immunogen	USP53 (AAH17382.1, 1 a.a. - 188 a.a.) full-length human protein. MDQCYFENSLSTECIIRSASRSDGCQMPKLFQNLPPPLPPKYYAITSVPQSEK SESTPDVKLTEVFKATSHLPKHSLSTASEPSLEVSTHMNDERHKETFQVRECF GNTPNCPSSSSTNDFQANSGAIDAFQCPELDSISTCPNETVSLTTYFSVDSCMT DYLRLKYHQRPKLSFPESGFCNNSLS
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:500, Immunocytochemistry/ Immunofluorescence
Application Notes	Antibody reactive against Recombinant Protein with GST tag on ELISA and Western Blot and also on transfected lysate in western blot. GST tag alone is used as a negative control. Has also been used for immunofluorescence.



Images

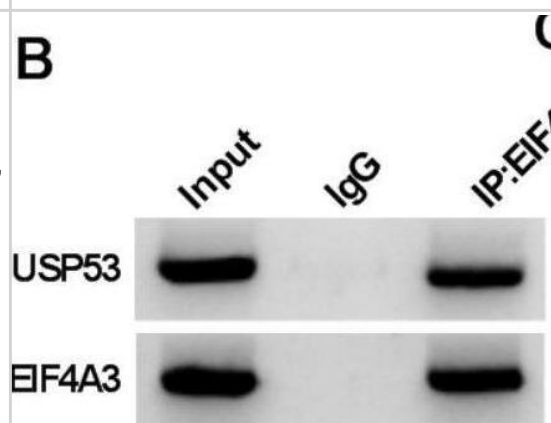
Western Blot: USP53 Antibody [H00054532-B01P] - Analysis of USP53 expression in transfected 293T cell line by USP53 polyclonal antibody. Lane 1: USP53 transfected lysate(20.68 KDa). Lane 2: Non-transfected lysate.



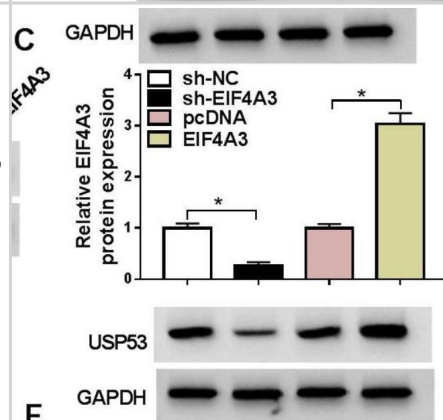
Immunocytochemistry/Immunofluorescence: USP53 Antibody [H00054532-B01P] - Analysis of purified antibody to USP53 on HepG2 cell. (antibody concentration 10 ug/ml)



Effect of EIF4A3 on USP53 expression. (A) The ENCORI websites analyzed the interaction of USP53 and EIF4A3. (B) The interaction between USP53 and EIF4A3 was detected by Co-IP. (C) BMSCs were transfected with sh-NC/sh-EIF4A3/pcDNA/EIF4A3 overexpression vector, and WB analysis was used to determine EIF4A3 protein level. (D, E) Act D assay was performed to measure the stability of USP53 mRNA. (F) WB analysis for the detection of USP53 protein expression. *P < 0.05. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/40481141>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



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Publications

Cheng G, Yang X, Tang Y et al. EIF4A3 enhances the viability, invasion and osteogenic differentiation of BMSCs via the USP53/SMAD5 pathway. Scientific reports 2025-06-07 [PMID: 40481141]



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Products Related to H00054532-B01P

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]
NBP1-97019-5mg	Mouse 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.

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