

# Product Datasheet

## DDX52 Antibody - BSA Free NBP2-33776

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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### Publications: 1

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**NBP2-33776**

DDX52 Antibody - BSA Free

Product Information	
<b>Unit Size</b>	0.1 ml
<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>	Affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

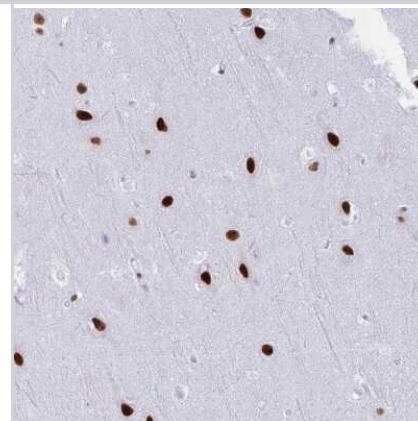
Product Description	
<b>Description</b>	Novus Biologicals Rabbit DDX52 Antibody - BSA Free (NBP2-33776) is a polyclonal antibody validated for use in IHC and WB. Anti-DDX52 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	11056
<b>Gene Symbol</b>	DDX52
<b>Species</b>	Human
<b>Immunogen</b>	This antibody was developed against a recombinant protein corresponding to amino acids: KFDTRRFSADAARFQIGKRKYDFDSSEVLQGLDFFGNKKSVPGVCGASQTHQ KPQNGEKKEESLTERKREQSKKKRKTMTSEIAS

Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot, Immunohistochemistry 1:500 - 1:1000, Immunohistochemistry-Paraffin 1:500 - 1:1000
<b>Application Notes</b>	Use in WB reported in scientific literature (PMID:34399732). For IHC-Paraffin, HIER pH 6 retrieval is recommended.

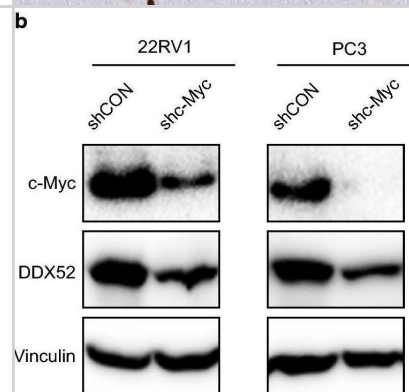


## Images

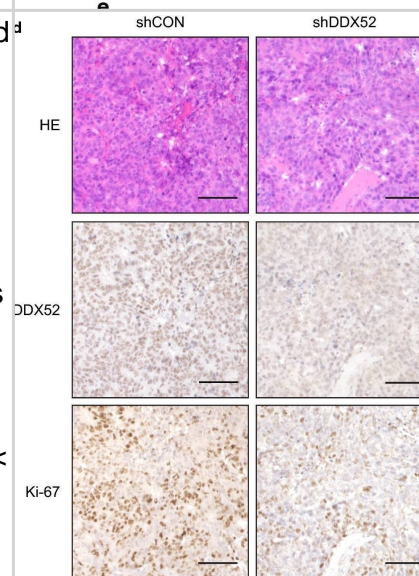
Immunohistochemistry-Paraffin: DDX52 Antibody [NBP2-33776] - Staining of human cerebral cortex shows strong nuclear positivity in neuronal cells.



c-Myc regulates DDX52 expression in PCa. a, b 22RV1 and PC3 cells were infected with lentiviruses carrying shRNA against DDX52, c-Myc or shCON, and gene expression was determined using western blotting. c Published PCa datasets were analyzed to assess the correlation between mRNA expression of DDX52 and c-Myc. f Representative photographs of PCa tissues stained with DDX52 and c-Myc (scale bar: 100  $\mu$ m). e Correlation between the expression levels of DDX52 and c-Myc as determined using the IHC score (n = 86) Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/34399732>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



DDX52 knockdown inhibits PCa xenograft growth. a The mice were killed at 6 weeks after implanting 22RV1 cells, and the volumes of the xenograft tumors are shown. b Weights of the xenograft tumors in the control and treated groups (Mann–Whitney test, n = 7, error bars represent standard deviations; \*\*\*p < 0.001). c Kaplan–Meier plot showing the time of xenograft genesis after implantation (log-rank test; \*\*\*p < 0.001). d Examples of tumor xenografts that underwent hematoxylin and eosin (HE) staining and DDX52 and Ki67 immunohistochemical staining (scale bar: 100  $\mu$ m). e, f The positive cells in random areas in each xenograft section were counted. e DDX52 expression was measured according to the IHC score (Mann–Whitney test, error bars represent standard deviations; \*\*p < 0.01). f Ki67 expression was measured according to the number of positively stained cells (Mann–Whitney test, error bars represent standard deviations; \*\*p < 0.01) Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/34399732>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



## Publications

Yu W, Ma H, Li J Et al. DDX52 knockdown inhibits the growth of prostate cancer cells by regulating c-Myc signaling Cancer cell international 2021-08-16 [PMID: 34399732] (IHC-P, WB, Human)



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### **Products Related to NBP2-33776**

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NBP2-33776PEP	DDX52 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

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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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