

# Product Datasheet

## DDX3 Antibody - BSA Free

### NBP1-85291

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: 5

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Updated 2/12/2026 v.20.1

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**NBP1-85291**

DDX3 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

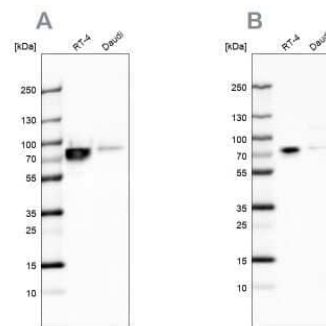
Product Description	
<b>Description</b>	Novus Biologicals Rabbit DDX3 Antibody - BSA Free (NBP1-85291) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-DDX3 Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	1654
<b>Gene Symbol</b>	DDX3X
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: LNSSDNQSGGSTASKGRYIPPHLRNREATKGFYDKDSSGWSSSKDKDAYSSF GSRSDSRGKSSFFSDRGSGSRGRFDDRGRSDYDGIGSRGDRSGFGKFERGG NSRWCDKSEDDWSKPLPPSERLEQELFSGGNTGINFEKYDDIPV

Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000
<b>Application Notes</b>	IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: PFA/Triton X-100

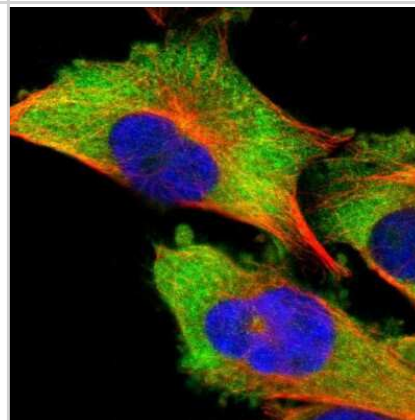


## Images

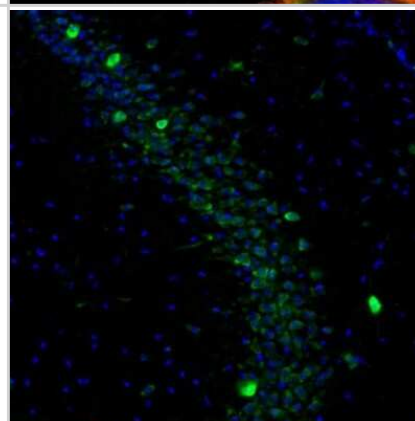
Western Blot: DDX3 Antibody [NBP1-85291] - Analysis: NBP1-85291 (A) shows similar pattern to independent antibody NBP1-85290 (B)



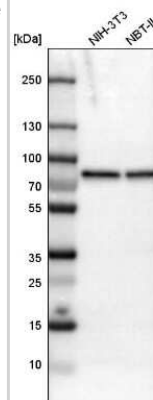
Immunocytochemistry/Immunofluorescence: DDX3 Antibody [NBP1-85291] - Staining of human cell line U-251 MG shows localization to cytosol. Antibody staining is shown in green.



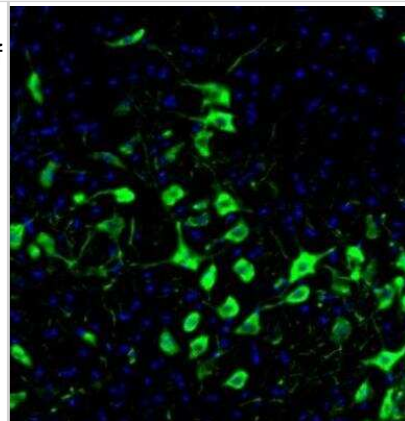
Immunohistochemistry: DDX3 Antibody [NBP1-85291] - Staining of mouse hippocampus shows moderate positivity in a subset of neurons in the brain.



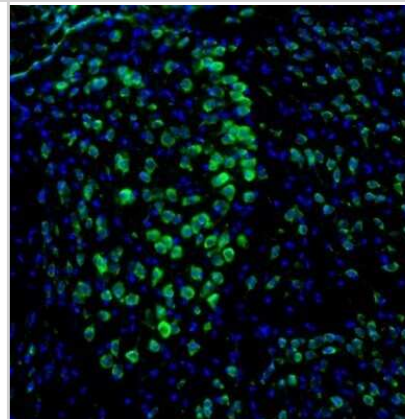
Western Blot: DDX3 Antibody [NBP1-85291] - Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



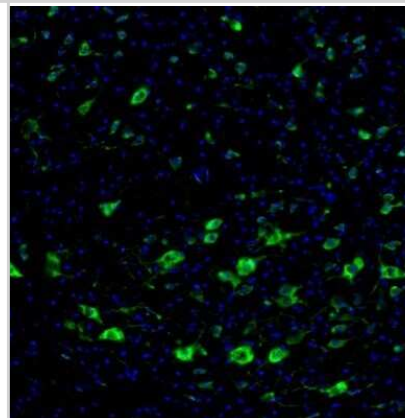
Immunohistochemistry: DDX3 Antibody [NBP1-85291] - Staining of mouse medulla shows strong cytoplasmic immunoreactivity in neurons of the facial nucleus.



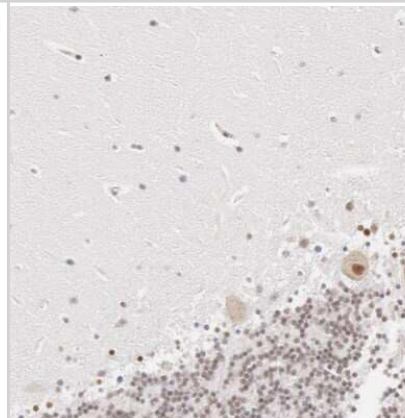
Immunohistochemistry: DDX3 Antibody [NBP1-85291] - Staining of mouse thalamus shows positivity in neurons of the anterodorsal thalamic nucleus.



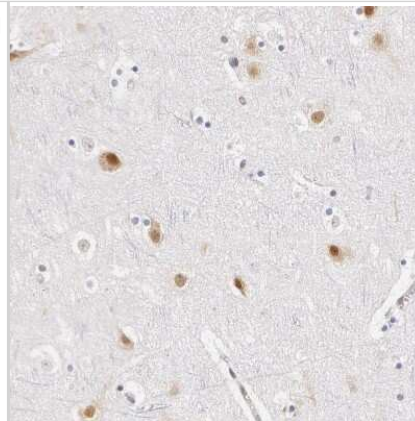
Immunohistochemistry: DDX3 Antibody [NBP1-85291] - Staining of mouse midbrain shows neuronal positivity in the red nucleus.



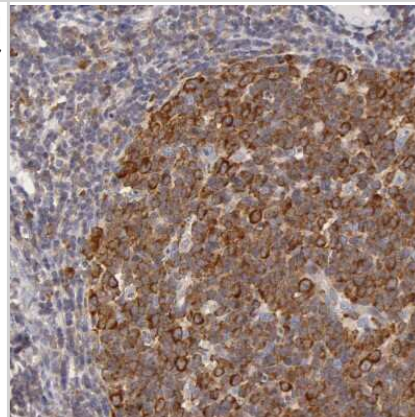
Immunohistochemistry-Paraffin: DDX3 Antibody [NBP1-85291] - Staining of human cerebellum shows moderate nuclear immunoreactivity in neurons.



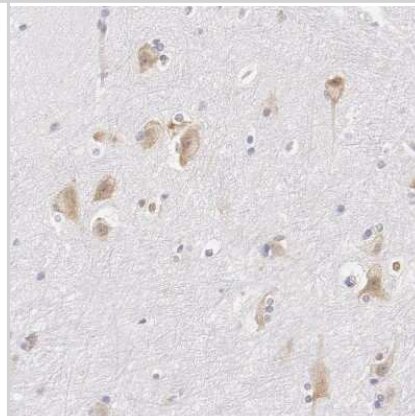
Immunohistochemistry-Paraffin: DDX3 Antibody [NBP1-85291] - Staining of human cerebral cortex shows moderate nuclear positivity in neurons.



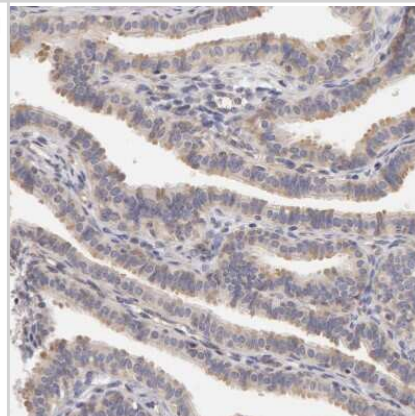
Immunohistochemistry-Paraffin: DDX3 Antibody [NBP1-85291] - Staining of human tonsil shows moderate cytoplasmic positivity in germinal center cells.



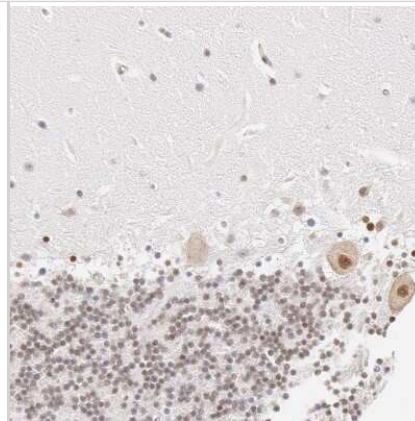
Immunohistochemistry-Paraffin: DDX3 Antibody [NBP1-85291] - Staining of human hippocampus shows moderate positivity in neurons.



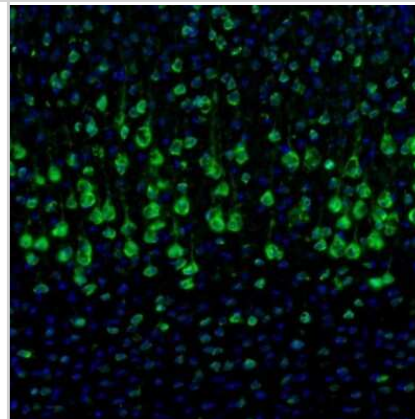
Immunohistochemistry-Paraffin: DDX3 Antibody [NBP1-85291] - Staining of human Fallopian tube shows weak cytoplasmic positivity in glandular cells.



Immunohistochemistry-Paraffin: DDX3 Antibody [NBP1-85291] - Staining of human cerebellum shows moderate nuclear positivity in neurons.



Immunohistochemistry: DDX3 Antibody [NBP1-85291] - Staining of mouse cerebral cortex shows strong positivity in neurons in the parietal association cortex.



## Publications

Chen W, Pilling D, Gomer RH The mRNA binding protein DDX3 mediates TGF- $\beta$ 1 upregulation of translation and promotes pulmonary fibrosis JCI insight 2023-02-23 [PMID: 36821384] (IHC-P, WB, Human)

Phung B, Ciesla M, Sanna A et al. The X-Linked DDX3X RNA Helicase Dictates Translation Reprogramming and Metastasis in Melanoma Cell Rep 2019-06-18 [PMID: 31216476]

Hagerstrand D, Tong A, Schumacher SE et al. Systematic interrogation of 3q26 identifies TLOC1 and SKIL as cancer drivers. Cancer Discov 2013-09-01 [PMID: 23764425] (WB)

Stadler C, Hjelmare M, Neumann B et al. Systematic validation of antibody binding and protein subcellular localization using siRNA and confocal microscopy. J Proteomics 2012-04-03 [PMID: 22361696]

Mulder J, Bjorling E, Jonasson K et al. Tissue Profiling of the Mammalian Central Nervous System Using Human Antibody-based Proteomics. Mol Cell Proteomics 2009-07-01 [PMID: 19351664]



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### **Products Related to NBP1-85291**

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NBP1-85291PEP	DDX3X 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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