

# Product Datasheet

## RUVBL1 Antibody NBP2-20245

Unit Size: 0.1 ml

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

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Updated 9/25/2025 v.20.1

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**NBP2-20245**

## RUVBL1 Antibody

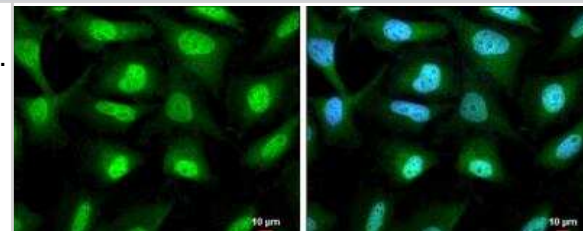
Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.025% Proclin 300
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	PBS, 20% Glycerol
<b>Target Molecular Weight</b>	50 kDa

Product Description	
<b>Description</b>	Novus Biologicals Rabbit RUVBL1 Antibody (NBP2-20245) is a polyclonal antibody validated for use in IHC, WB, ICC/IF and IP. Anti-RUVBL1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	8607
<b>Gene Symbol</b>	RUVBL1
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Xenopus laevis (97%).
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the center region of human RUVBL1. The exact sequence is proprietary.

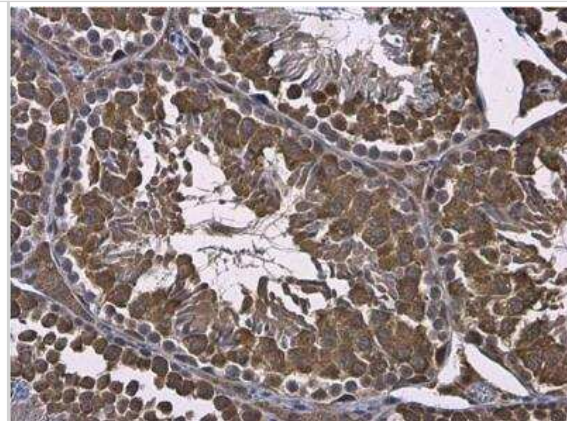
Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Knockdown Validated
<b>Recommended Dilutions</b>	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunoprecipitation 1:100-1:500, Immunohistochemistry-Paraffin 1:100-1:1000, Knockdown Validated Reported in scientific literature (PMID: 31018511).

**Images**

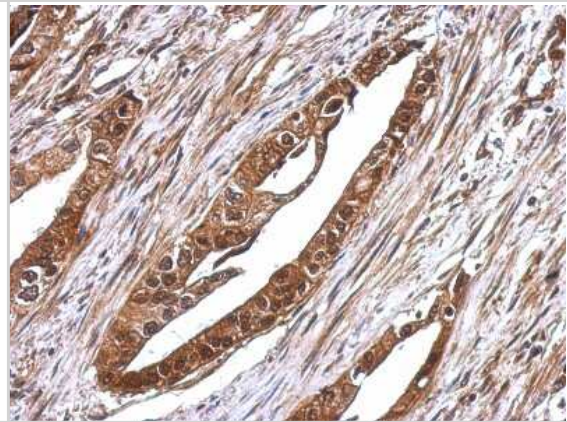
Immunocytochemistry/Immunofluorescence: RUVBL1 Antibody [NBP2-20245] - HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: RUVBL1 protein stained by RUVBL1 antibody diluted at 1:500. Blue: Hoechst 33342 staining. Scale bar = 10 um.



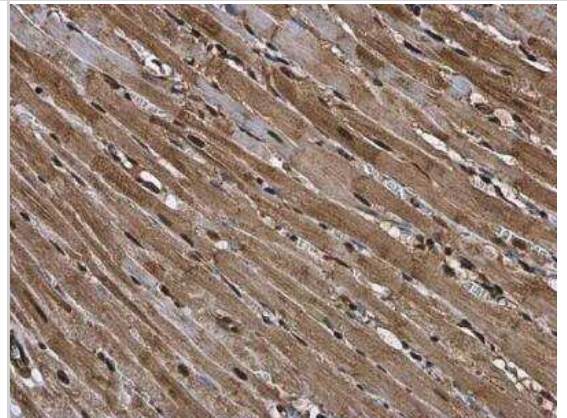
Immunohistochemistry-Paraffin: RUVBL1 Antibody [NBP2-20245] - Mouse testis. RUVBL1 antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



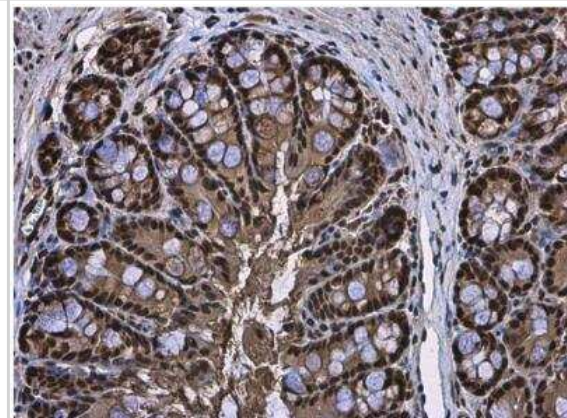
Immunohistochemistry-Paraffin: RUVBL1 Antibody [NBP2-20245] - Human colon carcinoma, using RUVBL1 antibody at 1:500 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



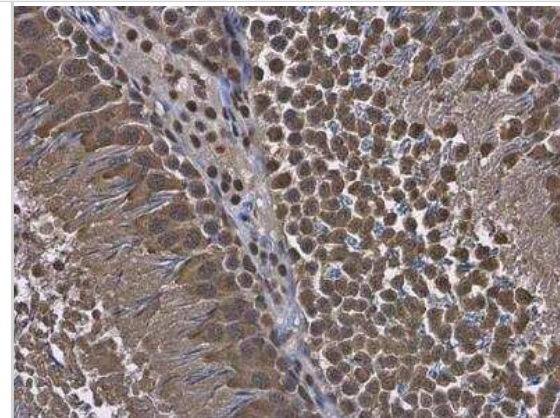
Immunohistochemistry-Paraffin: RUVBL1 Antibody [NBP2-20245] - Rat heart. RUVBL1 antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



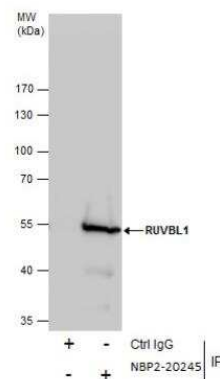
Immunohistochemistry-Paraffin: RUVBL1 Antibody [NBP2-20245] - Mouse colon. RUVBL1 antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



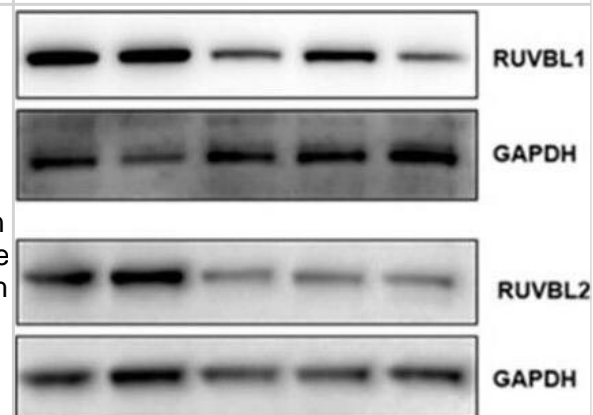
Immunohistochemistry-Paraffin: RUVBL1 Antibody [NBP2-20245] - Rat testis. RUVBL1 antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



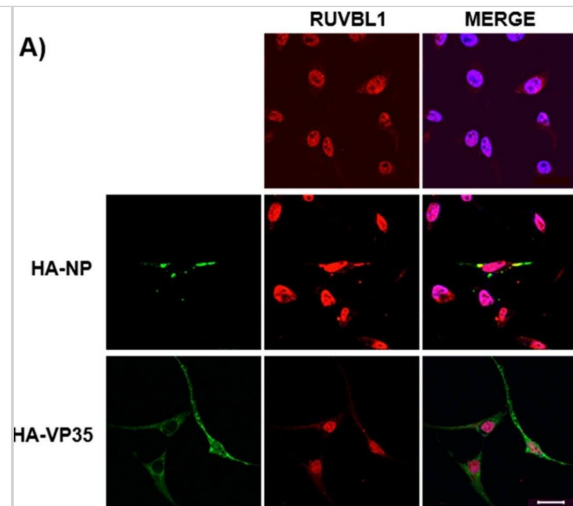
Immunoprecipitation: RUVBL1 Antibody [NBP2-20245] - Immunoprecipitation of RUVBL protein from Jurkat whole cell extracts using 5 ug of RUVBL1 antibody. Western blot analysis was performed using RUVBL1 antibody. EasyBlot anti-Rabbit IgG was used as a secondary reagent.



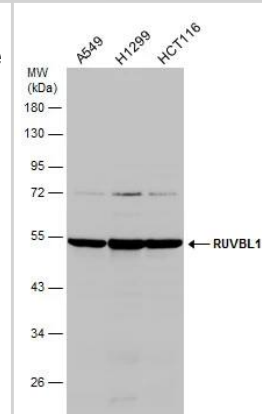
RUVBL1/2 do not effect EBOV minigenome activity. (A) Schematic diagram of the EBOV minigenome system. The EBOV minigenome system consists of six plasmids: Four support plasmids encode replication complex components NP, L, VP35, & VP30. The EBOV minigenome plasmid encodes a firefly luciferase reporter gene flanked by the leader & trailer sequences of EBOV, & the plasmid that encodes Renilla luciferase is used for normalization. (B) Minigenome activity upon the knockdown of either RUVBL1, RUVBL2, or in combination. Below are protein levels confirmed by immunoblot. HeLa cells were transfected with 80 nM scrambled siRNA, 30 nM siRNA targeting RUVBL1, or 50 nM siRNA targeting RUVBL2. Twenty-four h after siRNA addition, the minigenome components were transfected. Forty-eight h later, minigenome reporter activity was measured. (C) Overexpression of FLAG-RUVBL1 & HA-RUVBL2 in the EBOV minigenome. HeLa cells were left untransfected, or transfected with vector control (VC), or increasing amounts of FLAG-RUVBL1 (125, 250, & 500 ng) or HA-RUVBL2 (125, 250, & 500 ng). Twenty-four h after exogenous transfection, the minigenome components were transfected. Forty-eight h later, minigenome reporter activity was measured. Data represent mean  $\pm$  SEM from one representative experiment ( $n = 3$ ) of at least three experiments (\*  $p < 0.05$ ). Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/31018511>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



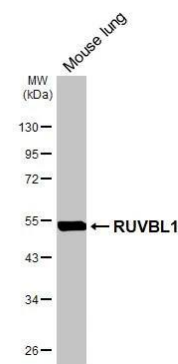
**Immunocytochemistry/ Immunofluorescence: RUVBL1 Antibody [NBP2-20245]** - Endogenous RUVBL1 & RUVBL2 colocalize with HA-NP. HeLa cells were transfected with vector control, HA-NP, or HA-VP35. Twenty-four h later, the cells were fixed & processed for immunofluorescence detection of endogenous RUVBL1 or RUVBL2 in the presence of vector control, HA-NP, or HA-VP35. Representative images of (A) endogenous RUVBL1 localization pattern with control vector (top panels), HA-NP (middle panels), or HA-VP35 (bottom panels) & (B) endogenous RUVBL2 localization pattern with control vector (top panels), HA-NP (middle panels), or HA-VP35 (bottom panels) are shown. HA-NP or HA-VP35 (green), RUVBL1/2 (red), & Hoechst 33342 nuclear stain (blue) were visualized by confocal microscopy. Scale bars = 20  $\mu$ M. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/31018511>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



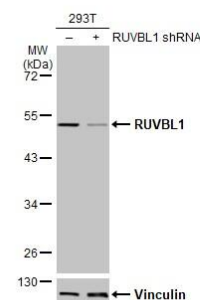
**Western Blot: RUVBL1 Antibody [NBP2-20245]** - Various whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with RUVBL1 antibody (NBP2-20245) diluted at 1:1000.



Mouse tissue extract (50 ug) was separated by 10% SDS-PAGE, and the membrane was blotted with RUVBL1 antibody (NBP2-20245) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Non-transfected (-) and transfected (+) 293T whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with RUVBL1 antibody (NBP2-20245) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



## Publications

Silva B, Pentz R, Figueira AM et al. Identification of RUVBL1 and RUVBL2 as Novel Cellular Interactors of the Ebola Virus Nucleoprotein Viruses 2019-04-23 [PMID: 31018511] (WB, ICC/IF, KD, Human)



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### **Products Related to NBP2-20245**

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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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