# Product Datasheet

## RUVBL2 Antibody - BSA Free
## NBP1-40354

Unit Size: 100 ul

Store at 4C. Do not freeze.

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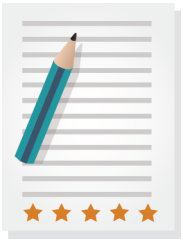


# NBP1-40354

RUVBL2 Antibody - BSA Free

## Product Information

| | |
|---|---|
| **Unit Size** | 100 ul |
| **Concentration** | 1.0 mg/ml |
| **Storage** | Store at 4C. Do not freeze. |
| **Clonality** | Polyclonal |
| **Preservative** | 0.09% Sodium Azide |
| **Isotype** | IgG |
| **Purity** | Immunogen affinity purified |
| **Buffer** | Tris-Citrate/Phosphate (pH 7.0 - 8.0) |

## Product Description

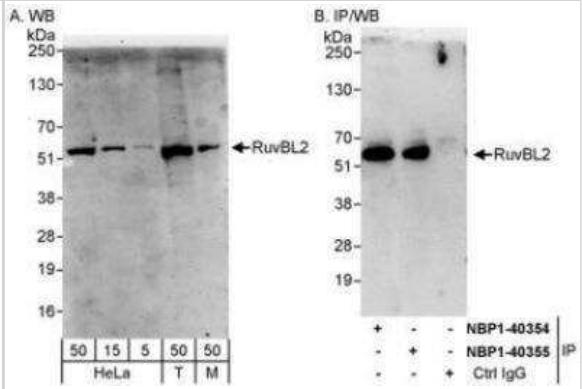
| | |
|---|---|
| **Host** | Rabbit |
| **Gene ID** | 10856 |
| **Gene Symbol** | RUVBL2 |
| **Species** | Human, Mouse |
| **Immunogen** | The immunogen for this product maps to a region between residue 1 and 50 of human RuvB-like 2 using the numbering given in entry NP_006657.1 (GeneID 10856). |

## Product Application Details

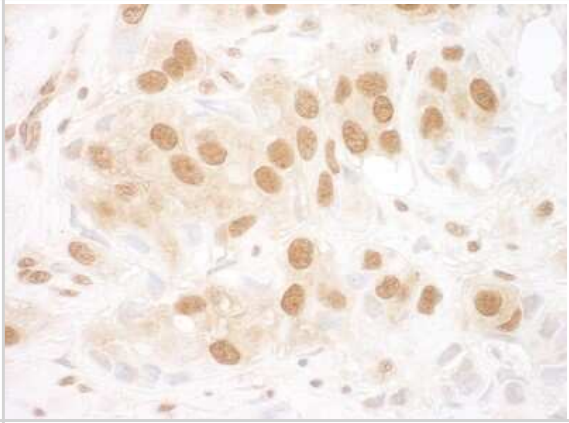
| | |
|---|---|
| **Applications** | Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Knockdown Validated |
| **Recommended Dilutions** | Western Blot 1:2000-1:10000, Immunohistochemistry 1:500 - 1:2000, Immunocytochemistry/ Immunofluorescence Reported in scientific literature (PMID: 31018511)., Immunoprecipitation 5-15 ug/mg lysate, Immunohistochemistry-Paraffin 1:500-1:2000, Knockdown Validated Reported in scientific literature (PMID: 31018511). |
| **Application Notes** | Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections. |

## Images

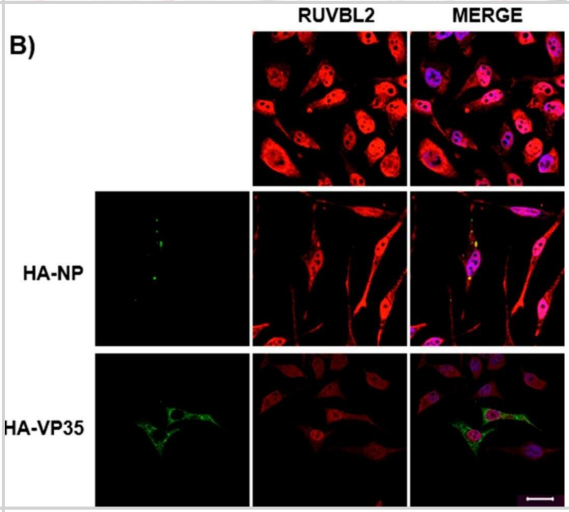
Western Blot: RUVBL2 Antibody [NBP1-40354] - Whole cell lysate from HeLa (5, 15 and 50 mcg for WB; 1 mg for IP, 20% of IP loaded), 293T (T; 50 mcg), and mouse NIH3T3 (M; 50 mcg) cells. Antibodies: Affinity purified rabbit anti-RuvBL2 antibody used for WB at 0.1 mcg/ml (A) and 1 mcg/ml (B) and used for IP at 10 mcg/mg lysate. RuvBL2 was also immunoprecipitated by rabbit anti-RuvBL2 antibody NBP1-40355 which recognizes a downstream epitope.



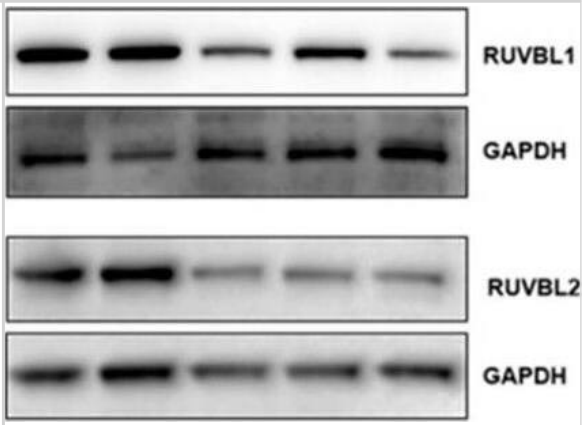
Immunohistochemistry-Paraffin: RUVBL2 Antibody [NBP1-40354] - Sample: FFPE section of human breast carcinoma. Antibody: Affinity purified rabbit anti- RuvBL2 used at a dilution of 1:1,000 (1ug/ml). Detection: DAB



Immunocytochemistry/ Immunofluorescence: RUVBL2 Antibody [NBP1-40354] - 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 µM. 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: RUVBL2 Antibody [NBP1-40354] - 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 ± 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.



## Publications

Kiguchi T, Kakihara Y, Yamazaki M et al. Identification and characterization of R2TP in the development of oral squamous cell carcinoma Biochemical and biophysical research communications 2021-02-25 [PMID: 33640610]

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] (KD, WB, ICC/IF, Human)

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## Products Related to NBP1-40354

| | |
|---|---|
| HAF008 | Goat anti-Rabbit IgG Secondary Antibody [HRP] |
| NB7160 | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891 | Rabbit IgG Isotype Control |
| H00010856-P01-10ug | Recombinant Human RUVBL2 GST (N-Term) Protein |

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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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