**Product Name: KD-Validated RuvB Like AAA ATPase 1 Recombinant Rabbit Monoclonal Antibody**

**Catalog #: KVAb01472**

For research use only.

## Summary

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|---|---|
| **Description** | KO&KD-Validated antibody |
| **Host** | Rabbit |
| **Application** | WB,FCM,ICC |
| **Reactivity** | Human,Mouse,Rat |
| **Conjugation** | Unconjugated |
| **Modification** | Unmodified |
| **Isotype** | Rabbit IgG |
| **Clonality** | Rabbit mAb |
| **Form** | Liquid |
| **Storage** | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| **Shipping** | Ice bags |
| **Buffer** | Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide. |
| **Purification** | Affinity purification |

## Application

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|---|---|
| **Dilution Ratio** | WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000 |
| **Molecular Weight** | Calculated MW: 50.2kDa |

## Antigen Information

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|---|---|
| **Gene Name** | RUVBL1 |
| **Alternative Names** | RuvB Like AAA ATPase 1; NMP238; TIP49a; INO80H; TIP49; INO80 Complex Subunit H; Pontin52; ECP54; RVB1; TIH1; 49 KDa TATA Box-Binding Protein-Interacting Protein; 54 KDa Erythrocyte Cytosolic Protein; TIP60-Associated Protein 54-Alpha; 49 KDa TBP-Interacting Protein; RuvB (E Coli Homolog)-Like 1; Nuclear Matrix Protein 238; RuvB-Like AAA ATPase; RuvB-Like 1; TAP54-Alpha; Pontin 52; NMP 238; Pontin; ECP-54; TATA Binding Protein Interacting Protein 49 KDa; Epididymis Secretory Sperm Binding Protein; RuvB-Like AAA ATPase 1; RuvB-Like 1 (E. Coli); EC 3.6.4.12; EC 3.6.1; TIP49A |
| **Gene ID** | 8607.0 |
| **SwissProt ID** | Q9Y265 |

**Immunogen** A synthesized peptide derived from human TIP49A

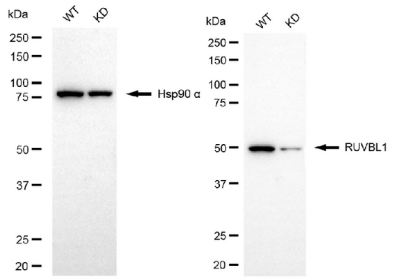
## Background

This gene encodes a protein that has both DNA-dependent ATPase and DNA helicase activities and belongs to the ATPases associated with diverse cellular activities (AAA+) protein family. The encoded protein associates with several multisubunit transcriptional complexes and with protein complexes involved in both ATP-dependent remodeling and histone modification. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]

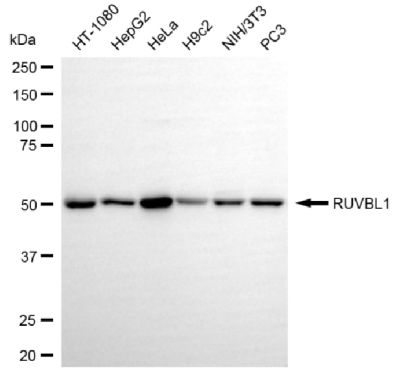
## Research Area

Epigenetics and Nuclear Signaling,Signal Transduction

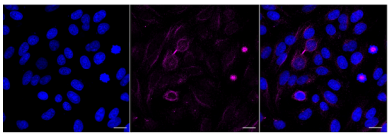
## Image Data



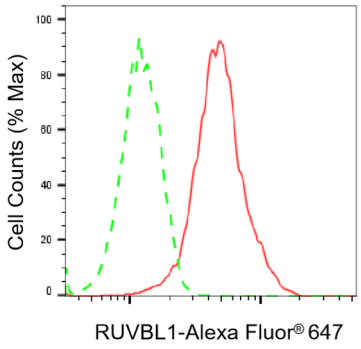

Western blotting analysis using RUVBL1 antibody (KVAb01472). RUVBL1 expression in wild-type (WT) and RUVBL1 knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with RUVBL1 antibody (KVAb01472, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.




Western blotting analysis using RUVBL1 antibody (KVAb01472). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with RUVBL1 antibody (KVAb01472, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of Hela cells with RUVBL1 antibody (KVAb01472, 1:1,000). Nuclei were stained blue with DAPI; RUVBL1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.




Flow cytometric analysis of RUVBL1 expression in HepG2 cells using RUVBL1 antibody (KVAb01472, 1:2,000). Green, isotype control; red, RUVBL1.