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Datasheet for ABIN7091655  
**anti-RUVBL1 antibody**

### Overview

Quantity:	100 µL
Target:	RUVBL1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This RUVBL1 antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	Recombinant human RUVBL1 (Fragment) (His-tagged).
Clone:	V22F9
Isotype:	IgG1
Predicted Reactivity:	Human

### Target Details

Target:	RUVBL1
Alternative Name:	RUVBL1 ( <a href="#">RUVBL1 Products</a> )
Background:	Synonyms: 49 kDa TATA box binding protein interacting protein, 49 kDa TATA box-binding protein-interacting protein, 49 kDa TBP interacting protein, 49 kDa TBP-interacting protein, 54 kDa erythrocyte cytosolic protein, ECP-54, ECP54, ERYTHROCYTE CYTOSOLIC PROTEIN, 54-KD, INO80 complex subunit H, NMP 238, Nuclear matrix protein 238, Pontin 52, PONTIN, RuvB

## Target Details

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like 1, RuvB-like 1, RUVB1\_HUMAN, RVB1, TAP54 alpha, TAP54-alpha, TIP49, TIP49A, TIP60 associated protein 54 alpha, TIP60-associated protein 54-alpha.

Background: Possesses single-stranded DNA-stimulated ATPase and ATP-dependent DNA helicase (3' to 5') activity. Component of the NuA4 histone acetyltransferase complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histones H4 and H2A. This modification may both alter nucleosome - DNA interactions and promote interaction of the modified histones with other proteins which positively regulate transcription. This complex may be required for the activation of transcriptional programs associated with oncogene and proto-oncogene mediated growth induction, tumor suppressor mediated growth arrest and replicative senescence, apoptosis, and DNA repair. The NuA4 complex ATPase and helicase activities seem to be, at least in part, contributed by the association of RUVBL1 and RUVBL2 with EP400. NuA4 may also play a direct role in DNA repair when recruited to sites of DNA damage. RUVBL1 plays an essential role in oncogenic transformation by MYC and also modulates transcriptional activation by the LEF1/TCF1-CTNNB1 complex. May be able to bind plasminogen at cell surface and enhance plasminogen activation.

Essential for cell proliferation.

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Gene ID: 8607

UniProt: [Q9Y265](#)

Pathways: [Telomere Maintenance](#)

## Application Details

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Application Notes: WB 1:300-5000

Restrictions: For Research Use only

## Handling

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Concentration: 0.5 µg/µL

Buffer: 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

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## Handling

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Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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Expiry Date: 12 months