Datasheet for ABIN932457

anti-RUVBL1 antibody

3 Images

Go to Product page

Overview

Quantity:	100 µg
Target:	RUVBL1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunocytochemistry (ICC), Dot Blot (DB)

Product Details

Immunogen:	RUVBL1 antibody was raised in mouse using recombinant Human Ruvb-Like 1 (E. Coli) (Ruvbl1)
Clone:	2943C1a
Isotype:	IgG2b
Cross-Reactivity:	Human
Cross-Reactivity (Details):	Other species not studied.
Purification:	Protein G affinity chromatography

Target Details

Target:	RUVBL1
Alternative Name:	RUVBL1 (RUVBL1 Products)
Background:	This gene possesses single-stranded DNA-stimulated ATPase and ATP-dependent DNA helicase (3' to 5') activity. Component of the NuA4 histone acetyltransferase complex which is

Target Details

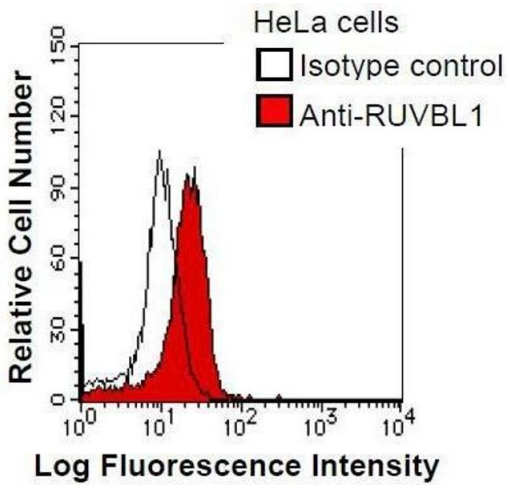
	involved in transcriptional activation of select genes principally by acetylation of nucleosomal histone H4 and H2A. This modification may both alter nucleosome - DNA interactions and promote interaction of the modified histones with other proteins which positively regulate transcription. This complex 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. Synonyms: Monoclonal RUVBL1 antibody, Anti-RUVBL1 antibody, RuvB (E coli homolog)-like 1 antibody, RVB1 antibody, ECP54 antibody, TIP49 antibody, NMP238 antibody, TIP49A antibody.
Pathways:	Telomere Maintenance

Application Details

Application Notes:	WB: 0.2-2 µg/mL, FC: 0.5-2 µg/sample, ICC: 2-100 µg/mL Optimal conditions should be determined by the investigator.
Restrictions:	For Research Use only

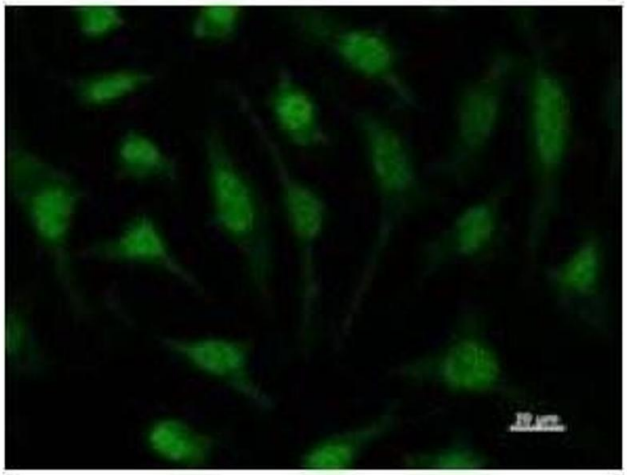
Handling

Concentration:	Lot specific
Buffer:	RUVBL1 antibody in PBS (3.0 mM KCl, 1.5 mM KH2 PO4 , 140 mM NaCl, 8.0 mM Na2 HPO4 (pH 7.4)) containing 1 % bovine serum albumin (BSA) and 0.05 % sodium azide (NaN3).
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze/thaw cycles. Dilute only prior to immediate use.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2-8 °C for up to one year. We recommend long term storage at -20 °C.



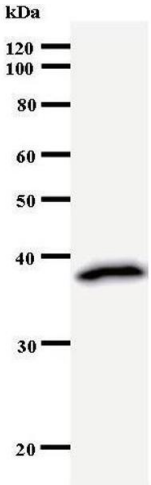
Flow Cytometry

Image 1. HeLa cells were fixed in 2% paraformaldehyde/PBS and then permeabilized in 90% methanol. Cells were stained with anti-RUVBL1 antibody (shaded) or isotype control (unshaded) followed by Alexa Fluor 488 conjugated goat anti-mouse IgG.



Immunofluorescence

Image 2. Immunostaining analysis in HeLa cells. HeLa cells were fixed with 4% paraformaldehyde and permeabilized with 0.01% Triton-X100 in PBS. The cells were immunostained with anti-RUVBL1 antibody.



Western Blotting

Image 3.