Datasheet for ABIN650671

anti-RUVBL1 antibody

4 Images

Go to Product page

Overview

Quantity:	400 µL
Target:	RUVBL1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RUVBL1 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This RUVBL1 antibody is generated from rabbits immunized with human RUVBL1 recombinant protein.
Clone:	RB23096
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	RUVBL1
Alternative Name:	RUVBL1 (RUVBL1 Products)
Background:	RUVBL1 possesses single-stranded DNA-stimulated ATPase and ATP-dependent DNA helicase (3' to 5') activity. It is a 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. 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. High levels of autoantibodies against RUVBL1 are detected in sera of patients with autoimmune diseases such as polymyositis/dermatomyosistis and autoimmune hepatitis.
Molecular Weight:	50228
Gene ID:	8607
NCBI Accession:	NP_003698
UniProt:	Q9Y265
Pathways:	Telomere Maintenance

Application Details

Application Notes:	WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

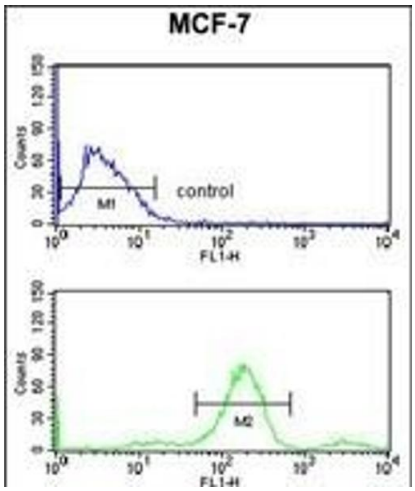
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small

Handling

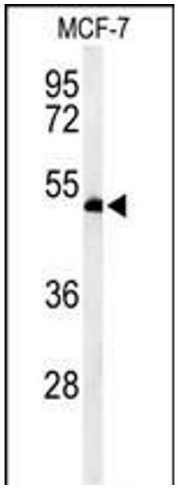
	aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Images



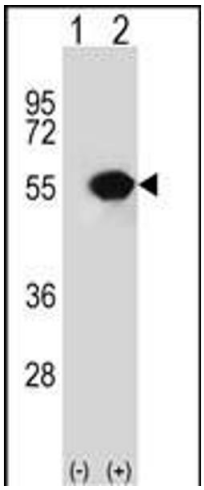
Flow Cytometry

Image 1. RUVBL1 Antibody (ABIN650671 and ABIN2838241) flow cytometry analysis of MCF-7 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. Western blot analysis of RUVBL1 Antibody (ABIN650671 and ABIN2838241) in MCF-7 cell line lysates (35 µg/lane). RUVBL1 (arrow) was detected using the purified Pab.



Western Blotting

Image 3. Western blot analysis of RUVBL1 (arrow) using rabbit polyclonal RUVBL1 Antibody (ABIN650671 and ABIN2838241). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the RUVBL1 gene.

Please check the product details page for more images. Overall 4 images are available for ABIN650671.