Datasheet for ABIN6978598

anti-RUVBL1 antibody (AA 101-200) (AbBy Fluor® 555)

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Overview

Quantity:	100 µL
Target:	RUVBL1
Binding Specificity:	AA 101-200
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RUVBL1 antibody is conjugated to AbBy Fluor® 555
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human TIP49A
Isotype:	IgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat,Dog,Cow,Sheep,Pig,Horse,Chicken,Rabbit,Zebrafish
Purification:	Purified by Protein A.

Target Details

Target:	RUVBL1
Alternative Name:	TIP49A (RUVBL1 Products)

Target Details

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 like 1, RuvB-like 1, RUVB1_HUMAN, RUVBL1, 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.
Gene ID:	8607
UniProt:	Q9Y265
Pathways:	Telomere Maintenance

Application Details

Application Notes:	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid

Handling

Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % 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:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months