

RUVBL1 Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Published Species	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant fragment corresponding to a region within amino acids 57 and 345 of Human RUVBL1
Form	Liquid
Concentration	0.32 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7, with 20% glycerol, 1% BSA
Contains	0.025% ProClin 300
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2546754

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:3,000	2 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000	-
Immunocytochemistry (ICC/IF)	1:100-1:1,000	-
Immunoprecipitation (IP)	1:100-1:500	-
ChIP assay (ChIP)	2 µg/10 ⁶ cells	-

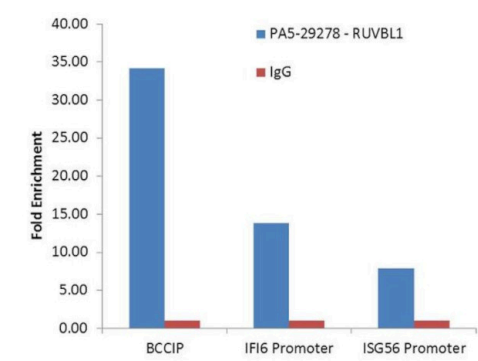
Product Specific Information

Recommended positive controls: A549, H1299, HCT116.

Predicted reactivity: Mouse (99%), Rat (99%), Zebrafish (97%), Xenopus laevis (97%), Chicken (99%), Rhesus Monkey (100%), Chimpanzee (100%), Bovine (99%).

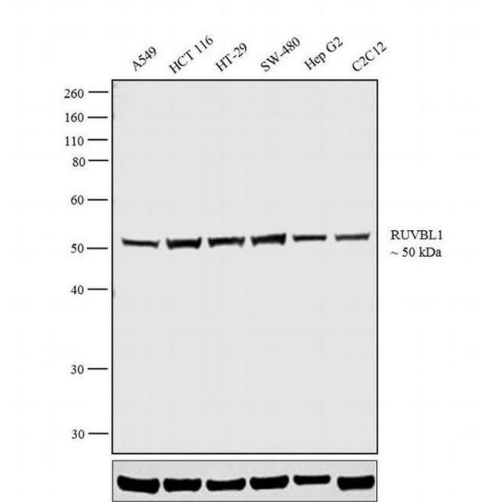
Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Product Images For RUVBL1 Polyclonal Antibody



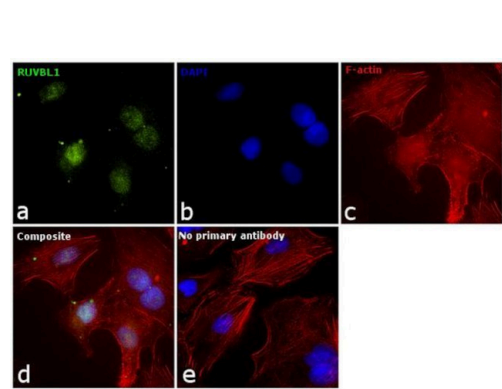
RUVBL1 Antibody (PA5-29278)

Antibody specificity was demonstrated by detection of enrichment of the target protein at specific gene loci. Chromatin Immunoprecipitation (ChIP) was performed using Anti-RUVBL1 Rabbit Polyclonal Antibody (Product # PA5-29278) using PCR primer pairs over the BCCIP gene and promoters of IFI6 and ISG56. {RE}



RUVBL1 Antibody (PA5-29278) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of A549 (Lane 1), HCT 116 (Lane 2), HT-29 (Lane 3), SW-480 (Lane 4), Hep G2 (Lane 5) and C2C12 (Lane 8). The blot was probed with RUVBL1 Polyclonal Antibody (Product # PA5-29278, 1:500 dilution) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.25 µg/mL, 1:4000 dilution). A 50 kDa band corresponding to RUVBL1 was observed across the cell lines tested.



RUVBL1 Antibody (PA5-29278) in ICC/IF

Immunofluorescence analysis of RUVBL1 was performed using 70% confluent log phase A549 cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with RUVBL1 Rabbit Polyclonal Antibody (Product # PA5-29278) at 5 µg/mL in 0.1% BSA and incubated overnight at 4 degree and then labeled with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing nuclear localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.

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Western Blot (2)

<p>Frontiers in oncology</p> <p>RuvBL1 Maintains Resistance to TRAIL-Induced Apoptosis by Suppressing c-Jun/AP-1 Activity in Non-Small Cell Lung Cancer.</p> <p>"PA5-29278 was used in Western Blot to study the molecular mechanisms of TRAIL resistance in Non-Small Cell Lung Cancer."</p> <p>Authors: Li H,Zhou T,Zhang Y,Jiang H,Zhang J,Hua Z</p>	<p>Year 2021</p> <p>Species Human</p>
<p>Molecular cell</p> <p>PRMT5-Dependent Methylation of the TIP60 Coactivator RUVBL1 Is a Key Regulator of Homologous Recombination.</p> <p>"PA529278 was used in western blot to examine the effects of the arginine methyltransferase PRMT5 on homologous recombination-mediated double-strand break repair"</p> <p>Authors: Clarke TL,Sanchez-Bailon MP,Chiang K,Reynolds JJ,Herrero-Ruiz J,Bandeiras TM,Matias PM,Maslen SL,Skehel JM,Stewart GS,Davies CC</p>	<p>Year 2017</p> <p>Species Human</p>

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