

DHX9 Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Published Species	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide conjugated to KLH derived from within residues 100 - 200 of Human RNA Helicase A.
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.4
Contains	0.02% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_10987556

Applications	Tested Dilution	Publications
Western Blot (WB)	1 µg/mL	3 Publications
Immunocytochemistry (ICC/IF)	1:1,000	-
Immunoprecipitation (IP)	-	1 Publication

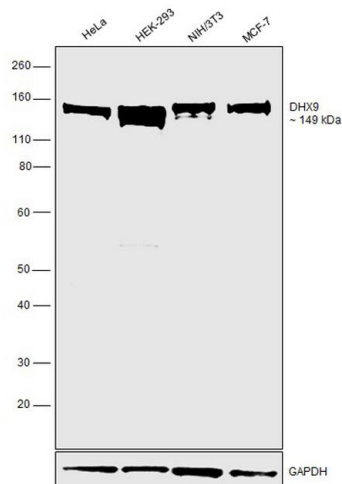
Product Specific Information

This antibody is predicted to react with cow based on sequence homology.

Product Images For DHX9 Polyclonal Antibody

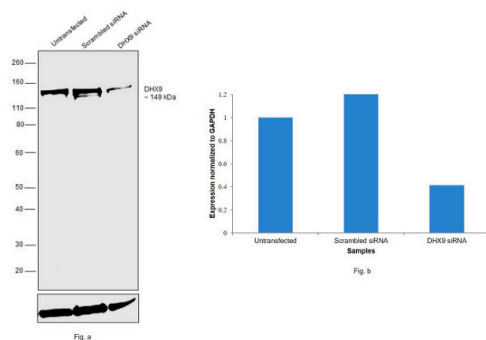
DHX9 Antibody (PA5-19542) in WB

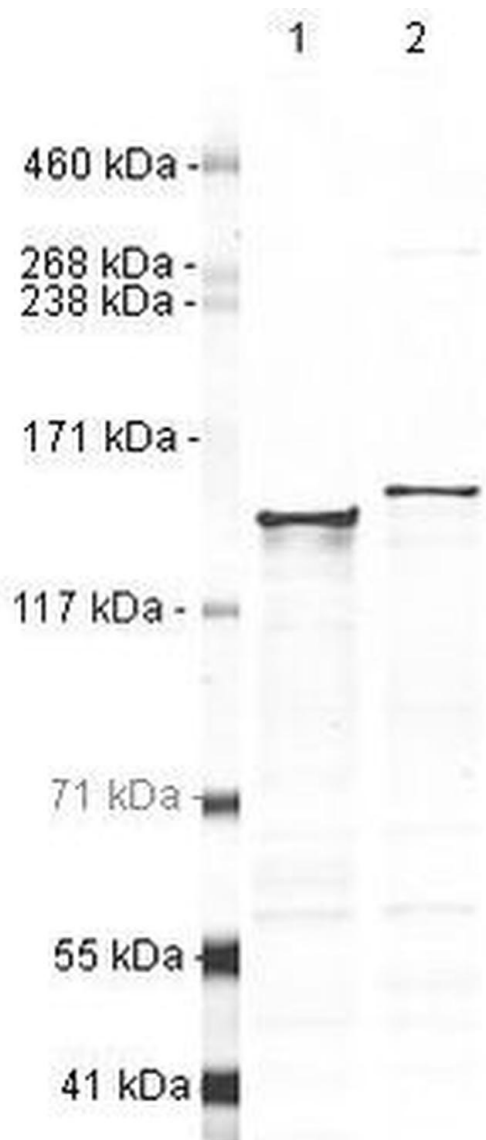
Western blot was performed using Anti- DHX9 Polyclonal Antibody (Product # PA5-19542) and a 149kDa band corresponding to DHX9 was observed across cell lines tested. Whole cell extracts (30 µg lysate) of HeLa (Lane 1), HEK-293 (Lane 2), NIH/3T3 (Lane 3) and A-431 (Lane 4) were electrophoresed using NuPAGE® 4-12 % Bis-Tris gel (Product # NP0321BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by wet transfer. The blots were probed with the primary antibody (1 µg/mL) and detected by chemiluminescence Goat Anti-Rabbit IgG Secondary Antibody, HRP conjugate (Product # A27036, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



DHX9 Antibody (PA5-19542)

Antibody specificity was demonstrated by siRNA mediated KD of target protein. A-431 cells were transfected with DHX9 siRNA and reduction of signal was observed in Western Blot using DHX9 Polyclonal Antibody (Product # PA5-19542). {KD}





DHX9 Antibody (PA5-19542) in WB

Western blot analysis of HeLa Whole Cell Lysate using Product # PA5-19542, RNA Helicase A primary antibody at a dilution of 1 µg/mL (lane 1). Staining of NIH 3T3 Whole Cell Lysate at a dilution of 1 µg/mL (lane 2). Blot treated with a secondary IR Dye680-conjugated Goat polyclonal anti-Rabbit antibody was used at a dilution of 1:10000.

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Western Blot (3)

<p>Proceedings of the National Academy of Sciences of the United States of America</p> <p>Distinct roles of hnRNPH1 low-complexity domains in splicing and transcription.</p> <p>"PA5-19542 was used in Immunoprecipitation to suggest that the ability of the LC1 domain to phase-separate into reversible polymers or liquid-like droplets is essential for function of hnRNPH1 as an alternative RNA-splicing regulator, whereas the LC2 domain may contribute to the aberrant transcriptional activity responsible for cancer transformation."</p> <p>Authors: Kim GH,Kwon I</p>	<p>Year 2021</p> <p>Species Human</p>
<p>Nature communications</p> <p>BRD4 prevents the accumulation of R-loops and protects against transcription-replication collision events and DNA damage.</p> <p>"PA5-19542 was used in Western Blotting to report that deregulated transcription following BRD4 loss in cancer cells leads to the accumulation of RNA:DNA hybrids (R-loops) and collisions with the replication machinery causing replication stress and DNA damage."</p> <p>Authors: Lam FC,Kong YW,Huang Q,Vu Han TL,Maffa AD,Kasper EM,Yaffe MB</p>	<p>Year 2020</p> <p>Species Human</p>

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Immunoprecipitation (1)

<p>Proceedings of the National Academy of Sciences of the United States of America</p> <p>Distinct roles of hnRNPH1 low-complexity domains in splicing and transcription.</p> <p>"PA5-19542 was used in Immunoprecipitation to suggest that the ability of the LC1 domain to phase-separate into reversible polymers or liquid-like droplets is essential for function of hnRNPH1 as an alternative RNA-splicing regulator, whereas the LC2 domain may contribute to the aberrant transcriptional activity responsible for cancer transformation."</p> <p>Authors: Kim GH,Kwon I</p>	<p>Year 2021</p> <p>Species Human</p>
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