

HuR Polyclonal Antibody

Catalog NumberPA5-19558

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human, Mouse
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (Frozen) (IHC (F))	1:300
Type	Antibody	Western Blot (WB)	1 µg/mL
Immunogen	Synthetic peptide conjugated to KLH derived from within residues 1 - 100 of Human HuR / ELAVL1.	Immunocytochemistry (ICC/IF)	5 µg/mL
Conjugate	Unconjugated	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Form	Liquid		
Concentration	0.5 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS, pH 7.4, with 1% BSA		
Contains	0.02% sodium azide		
Storage Conditions	-20°C or -80°C if preferred		

Product specific information

This antibody is predicted to react with chicken and cow based on sequence homology. Store antibody at 4°C for 1-2 weeks. For long-term storage, store at -20°C.

Background/Target Information

The protein encoded by this gene is a member of the ELAVL protein family. This encoded protein contains 3 RNA-binding domains and binds cis-acting AU-rich elements. It destabilizes mRNAs and thereby regulates gene expression.

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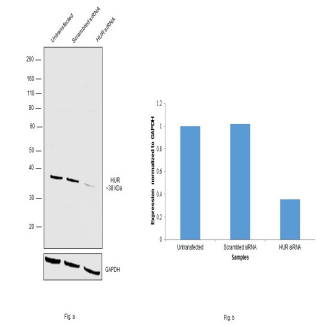
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Product Images For HuR Polyclonal Antibody

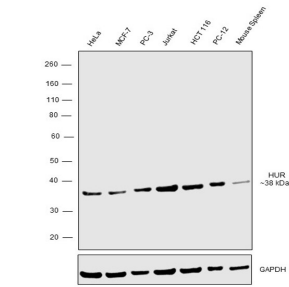
HuR Antibody (PA5-19558)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. PC-3 cells were transfected with HUR siRNA and a decrease in signal intensity was observed in western blot application using Anti-HUR Polyclonal Antibody (Product # PA5-19558). {KD}



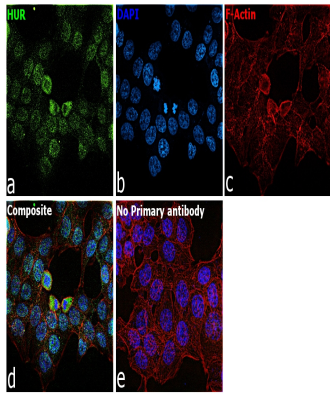
HuR Antibody (PA5-19558) in WB

Western blot was performed using Anti-HUR Polyclonal Antibody (Product # PA5-19558) and a ~38 kD band was observed across the panel tested. Modified Whole cell extracts (1% SDS) (30 µg lysate) of HeLa (Lane 1), MCF-7 (Lane 2), PC-3 (Lane 3), Jurkat (Lane 4), HCT 116 (Lane 5), PC-12 (Lane 6) and tissue extracts of Mouse Spleen (Lane 7) were electrophoresed using NuPAGE™ 10% Bis-Tris Protein Gel (Product # NP0302BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1 µg/mL) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain), Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4,000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



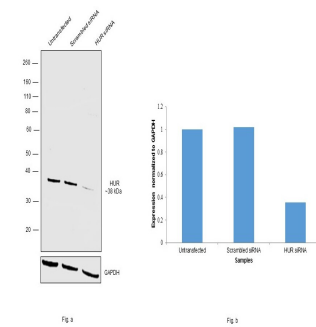
HuR Antibody (PA5-19558) in ICC/IF

Immunofluorescence analysis of HUR was performed using 70% confluent log phase HCT 116 cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 1 hour at room temperature. The cells were labeled with HUR Rabbit Polyclonal Antibody (Product # PA5-19558) at 1:250 dilution in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Goat anti-Rabbit IgG (Heavy Chain), Superclonal™ Recombinant Secondary Antibody, Alexa Fluor 488 (Product # A27034) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415). 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.



HuR Antibody (PA5-19558) in WB

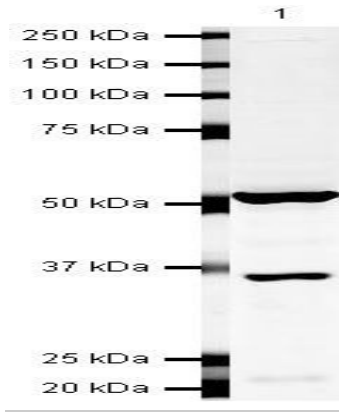
Knockdown of HUR was achieved by transfecting PC3 with HUR specific siRNAs (Silencer® select Product # s4610). Western blot analysis (Fig. a) was performed using whole cell extracts from the HUR knockdown cells (Lane 3), non-specific scrambled siRNA transfected cells (Lane 2) and untransfected cells (Lane 1). The blot was probed with HUR Polyclonal Antibody (Product # PA5-19558, 1 µg/mL) and Goat anti-Rabbit IgG (Heavy Chain), Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4,000 dilution). Densitometric analysis of this western blot is shown in histogram (Fig. b). Decrease in signal upon siRNA mediated knock down confirms that antibody is specific to HUR.



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HuR Antibody (PA5-19558) in WB

Western blot analysis of Jurkat Whole Cell Lysate using Product # PA5-19558, HuR/ELAVL1 primary antibody at a dilution of 1 µg/mL. Blot treated with a secondary HRP-conjugated Goat polyclonal anti-Rabbit antibody was used at a dilution of 1:3000.

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