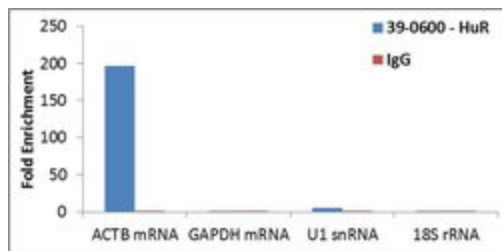


HuR Monoclonal Antibody (3A2)

Product Details	
Size	1 mL
Species	Human
Published Species	Rat, Mouse, Human
Expression System	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	3A2
Conjugate	Unconjugated
Immunogen	Recombinant human HuR protein
Form	Liquid
Concentration	Conc. Not Determined
Storage buffer	tissue culture supernatant
Contains	0.1% sodium azide
Storage Conditions	-20°C
RRID	AB_2533394

Applications	Tested Dilution	Publications
ELISA (ELISA)	Assay Dependent	-
Immunocytochemistry (ICC)	1:250	3 Publications
Immunofluorescence (IF)	1:250	4 Publications
Immunohistochemistry (IHC)	Assay Dependent	3 Publications
RNA Immunoprecipitation (RIP)	5 µL/10 ⁶ ceLLs	-
Western Blot (WB)	1-3 µg/mL	4 Publications
Immunoprecipitation (IP)	-	2 Publications
Miscellaneous PubMed (Misc)	-	1 Publication

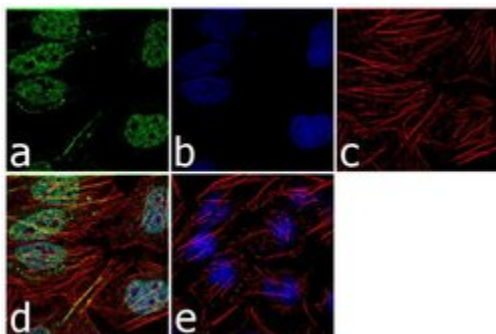
Advanced Verification Data



HuR Antibody (39-0600)

Antibody specificity was demonstrated by detection of binding of the target protein to specific RNA. RNA Immunoprecipitation (RIP) was performed using Anti-HuR Monoclonal Antibody (Product # 39-0600) using RIP primer pairs for ACTB mRNA (positive) and GAPDH mRNA, U1 snRNA and 18S rRNA (negative). Relative expression validation info.

Product Images For HuR Monoclonal Antibody (3A2)

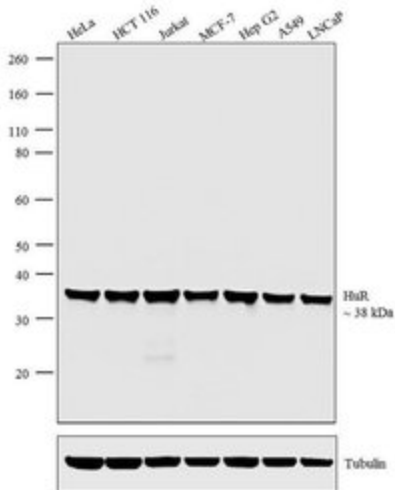


HuR Antibody (39-0600) in IF

Immunofluorescence analysis of HuR was performed using 70% confluent log phase HeLa 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 HuR (3A2) Mouse Monoclonal Antibody (Product # 39-0600) at 1:250 dilution in 0.1% BSA and incubated for 3 hours at room temperature and then labeled with Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A28175) 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 shows the no primary antibody control. The images were captured at 60X magnification.

HuR Antibody (39-0600) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of HeLa (Lane 1), HCT 116 (Lane 2), Jurkat (Lane 3), MCF-7 (Lane 4), Hep G2 (Lane 5), A549 (Lane 6), and LNCaP (Lane 7). The blots were probed with Mouse Anti-HuR Monoclonal Antibody (Product # 39-0600, 2 µg/mL) and detected by chemiluminescence using Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate (Product # A28177, 0.25 µg/mL, 1:4000 dilution). A 38 kDa band corresponding to HuR was observed across the cell lines tested. Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0321BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with iBlot® 2 Dry Blotting System (Product # IB21001). The membrane was probed with the relevant primary and secondary Antibody following blocking with 5 % skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).



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Immunoprecipitation (2)

Cell reports

DAZL Regulates Germ Cell Survival through a Network of PolyA-Proximal mRNA Interactions.

"39-0600 was used in Immunoprecipitation to reveal a mechanism for DAZL-RNA binding and illustrate that DAZL functions as a master regulator of a post-transcriptional mRNA program essential for germ cell survival."

Authors: Zagore LL, Sweet TJ, Hannigan MM, Weyn-Vanhentenryck SM, Jobava R, Hatzoglou M, Zhang C, Licatalosi DD

Species
Mouse

Dilution
Not Cited

Year
2018

Proceedings of the National Academy of Sciences of the United States of America

HuR binding to cytoplasmic mRNA is perturbed by heat shock.

Authors: Gallouzi IE, Brennan CM, Stenberg MG, Swanson MS, Eversole A, Maizels N, Steitz JA

Species
Human
Rat

Dilution
Not Cited
Not Cited

Year
2000

Immunocytochemistry (3)

Cell death discovery

ALS-associated mutant FUS inhibits macroautophagy which is restored by overexpression of Rab1.

"Published figure using HuR monoclonal antibody (Product # 39-0600) in Immunofluorescence"

Authors: Soo KY, Sultana J, King AE, Atkinson R, Warraich ST, Sundaramoorthy V, Blair I, Farg MA, Atkin JD

Species
Not Applicable

Dilution
1:100

Year
2016

PloS one

ALS-associated TDP-43 induces endoplasmic reticulum stress, which drives cytoplasmic TDP-43 accumulation and stress granule formation.

"39-0600 was used in immunocytochemistry to present evidence that ER stress contributes to TDP-43-mediated disease."

Authors: Walker AK, Soo KY, Sundaramoorthy V, Parakh S, Ma Y, Farg MA, Wallace RH, Crouch PJ, Turner BJ, Horne MK, Atkin JD

Species
Human
Mouse

Dilution
Not Cited
Not Cited

Year
2014

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IF (4) WB (4) IHC (3) Misc (1)

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