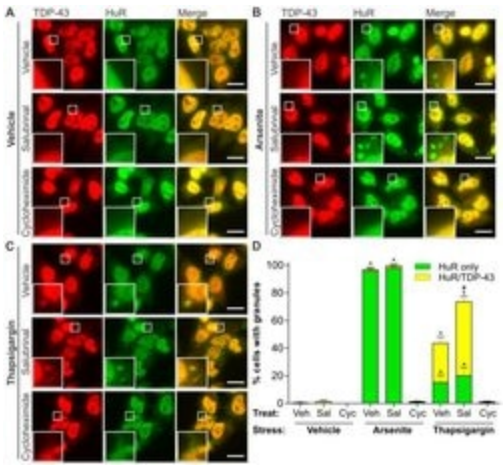
HuR Monoclonal Antibody (3A2)

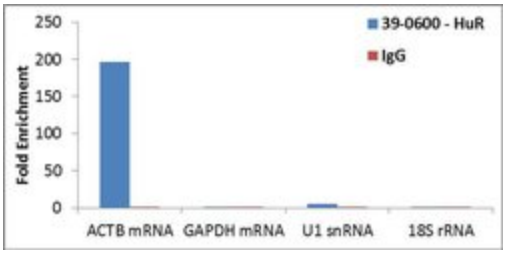
Product Details	
Size	1 mL
Species Reactivity	Human
Published Species	Rat, Zebrafish, Human, Mouse
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	3A2
Conjugate	Unconjugated
Immunogen	Recombinant human HuR protein
Form	Liquid
Concentration	Conc. Not Determined
Storage buffer	tissue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

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

Advanced Verification Data

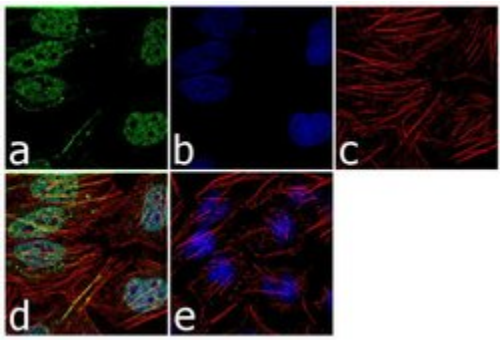


HuR Antibody (39-0600)
Figure 2 Formation of ER stress-induced TDP-43-positive stress granules is enhanced by salubrinal pre-treatment. HeLa cells were pre-treated for 2 h with either vehicle control, 50 uM salubrinal or 50 ug/mL cycloheximide and then stressed for an additional 1 h by treatment with vehicle control (A), 0.5 mM arsenite (B), or 10 uM thapsigargin (C) in the presence of the respective pre-treatment conditions. Cells were processed for immunocytochemistry using antibodies against TDP-43 (left panels) and HuR (middle panels). Merged images are shown on the right. Boxed regions in the main panels are shown magnified in the bottom left of each panel. (D) Quantification of the effect of aresenite or thapsigargin in the presence of salubrinal or cycloheximide on the formation of HuR-positive or HuR/TDP-43-positive cytoplasmic SGs. Results are expressed as mean +- SEM, n = 3, *p<0.05 versus respective vehicle-treated controls, #p<0.05 versus vehicle pre-treated/thapsigargin treated control, by two-way ANOVA followed by Bonferroni's post-test. All scale bars represent 20 um. Cell treatment validation info.



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 ICC/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.

View more figures on thermofisher.com

16 References

Western Blot (6)

Genome biology

RNA structural dynamics regulate early embryogenesis through controlling transcriptome fate and function.

"39-0600 was used in Western Blotting to establish the global map of four nucleotide-based mRNA structures by icSHAPE during zebrafish early embryogenesis."

Authors: Shi B,Zhang J,Heng J,Gong J,Zhang T,Li P,Sun BF,Yang Y,Zhang N,Zhao YL,Wang HL,Liu F,Zhang QC, Yang YG

Species
Zebrafish

Dilution
Not Cited

Year
2020

Molecular cancer research : MCR

Abemaciclib Is Effective Against Pancreatic Cancer Cells and Synergizes with HuR and YAP1 Inhibition.

"39-0600 was used in Western Blotting to evaluate the efficacy of abemaciclib in pre-clinical pancreatic ductal adenocarcinomas (PDAC) models in vitro and in vivo and explore its mechanism of action, and screened for potential synergistic combinations."

Authors: Dhir T,Schultz CW,Jain A,Brown SZ,Haber A,Goetz A,Xi C,Su GH,Xu L,Posey J,Jiang W,Yeo CJ,Golan T, Pishvaian MJ,Brody JR

Species
Human

Dilution
1:1000

Year
2019

View more WB references on thermofisher.com

Immunohistochemistry (3)

Annals of neurology

Welander distal myopathy is caused by a mutation in the RNA-binding protein TIA1.

"39-0600 was used in immunohistochemistry to study the causative role of TIA RNA-binding protein mutation in Welander distal myopathy."

Authors: Hackman P,Sarparanta J,Lehtinen S,Vihola A,Evilä A,Jonson PH,Luque H,Kere J,Screen M,Chinnery PF, Åhlberg G,Edström L,Udd B

Species
Human

Dilution
Not Cited

Year
2013

Modern pathology : an official journal of the United States and Canadian Academy of Pathology, Inc

Expression of HuR, COX-2, and survivin in lung cancers; cytoplasmic HuR stabilizes cyclooxygenase-2 in squamous cell carcinomas.

"39-0600 was used in Immunohistochemistry to evaluate HuR, COX-2, and survivin expression and their correlations in primary adenocarcinomas and squamous cell carcinomas in human lung tissue."

Authors: Kim GY,Lim SJ,Kim YW

Species
Human

Dilution
1:300

Year
2011

View more IHC references on thermofisher.com

More applications with references on thermofisher.com

ICC/IF (4) **IP (2)** **Misc (1)**