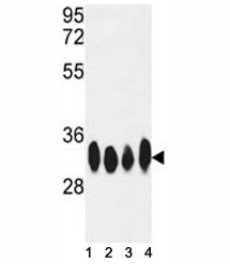
HuR Antibody / Human Antigen R Antibody (F51453)

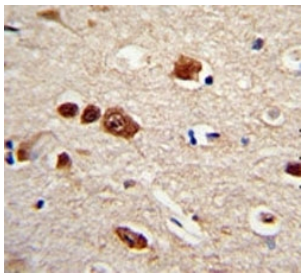
Catalog No.	Formulation	Size
F51453-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F51453-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

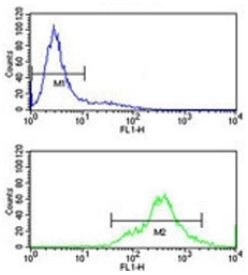
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	Q15717
Applications	Western blot: 1:1000 IHC (Paraffin): 1:50-1:100 Flow Cytometry: 1:10-1:50
Limitations	This HuR Antibody / Human Antigen R Antibody is available for research use only.



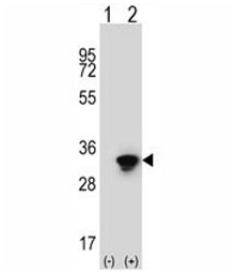
HuR Antibody Human Cell WB. Western blot analysis of HuR Antibody using lysates from 1) human HeLa cells, 2) human Jurkat cells, 3) human CCRF-CEM cells, and 4) human Ramos cells. A single, specific band is detected at approximately 32â€“36 kDa in all four cell lines, consistent with the expected molecular weight of HuR (ELAVL1). These results demonstrate that HuR Antibody, a Human Antigen R Antibody, specifically detects endogenous HuR across multiple human epithelial, T-cell leukemia, and B-cell lymphoma cell lines.



HuR Antibody Human Brain IHC. Immunohistochemical analysis of FFPE human brain tissue using HuR Antibody. Heat-induced epitope retrieval was performed prior to staining with HuR Antibody, followed by an HRP-conjugated secondary antibody and DAB chromogen for visualization. Distinct nuclear staining is observed in neurons with lighter cytoplasmic immunoreactivity, consistent with the characteristic subcellular localization of HuR (ELAVL1) as an RNA-binding protein that primarily resides in the nucleus while undergoing regulated nucleocytoplasmic shuttling. These results demonstrate that HuR Antibody, a Human Antigen R Antibody, specifically detects endogenous HuR in FFPE human brain tissue.



HuR Antibody Jurkat Cell FACS. Flow cytometric analysis of Jurkat cells using HuR Antibody. Cells were incubated with HuR Antibody followed by an FITC-conjugated goat anti-rabbit secondary antibody. The upper histogram represents the negative control, while the lower histogram shows HuR-stained Jurkat cells. A clear rightward shift of the HuR-stained population relative to the negative control demonstrates specific detection of endogenous HuR (ELAVL1). These results demonstrate that HuR Antibody, a Human Antigen R Antibody, is suitable for flow cytometric analysis of HuR expression in human Jurkat cells.



HuR Antibody ELAVL1 Overexpression WB. Western blot analysis of HuR Antibody using lysates from 1) non-transfected human 293 cells and 2) human 293 cells transiently transfected with the ELAVL1 gene (2 ug/lane). A strong band is detected at approximately 32-36 kDa in the ELAVL1-transfected cells, while little to no signal is observed in the non-transfected control, consistent with the expected molecular weight of HuR. These results demonstrate that HuR Antibody, a Human Antigen R Antibody, specifically detects recombinant ELAVL1 and confirms its suitability for monitoring HuR overexpression by Western blot.

Description

HuR Antibody recognizes Human Antigen R (HuR), an extensively studied RNA-binding protein encoded by the ELAVL1 gene. HuR is a ubiquitously expressed member of the ELAV family that regulates gene expression after transcription by controlling messenger RNA stability, localization, and translation. Through selective binding to adenylate-uridylate-rich elements within the three prime untranslated regions of target messenger RNAs, HuR stabilizes transcripts involved in cell proliferation, differentiation, inflammation, apoptosis, angiogenesis, and cellular stress responses. Because HuR influences the expression of hundreds of genes, HuR Antibody is widely used to investigate RNA biology, post-transcriptional regulation, and mechanisms of disease progression.

Under normal conditions, HuR resides predominantly within the nucleus but rapidly translocates to the cytoplasm in response to growth factors, oxidative stress, DNA damage, inflammation, and other cellular stimuli. This regulated nucleocytoplasmic shuttling allows HuR to control the stability and translation of messenger RNAs encoding cytokines, oncogenes, transcription factors, cell cycle regulators, and signaling proteins. Through these activities, HuR coordinates cellular adaptation to changing physiological conditions while influencing proliferation, survival, differentiation, and immune responses. Consequently, HuR Antibody has become an important research reagent for studies of messenger RNA metabolism, stress granules, RNA-protein interactions, and intracellular signaling networks.

Abnormal HuR expression or localization has been associated with numerous human diseases, particularly cancer. Increased cytoplasmic accumulation of HuR has been reported in breast, colorectal, ovarian, lung, pancreatic, prostate, and liver cancers, where it promotes stabilization of messenger RNAs that support tumor growth, angiogenesis, invasion, metastasis, and resistance to therapy. HuR has also been implicated in inflammatory disorders, autoimmune diseases, cardiovascular disease, neurodegeneration, and viral infection through regulation of immune and stress-response genes. Researchers commonly employ HuR Antibody in Western blotting, immunohistochemistry, immunofluorescence, immunoprecipitation, flow cytometry, and RNA-binding studies to characterize protein expression, intracellular

localization, and disease-associated changes.

NSJ Bioreagents provides HuR Antibody products that undergo validation for research applications to support reliable detection of this important RNA-binding protein. Whether investigating messenger RNA stability, post-transcriptional gene regulation, cancer biology, inflammation, or cellular stress responses, a high-quality Human Antigen R Antibody enables accurate characterization of HuR expression and localization. For researchers seeking antibodies validated against the official gene designation, visit our ELAVL1 Antibody / ELAV Like RNA Binding Protein 1 Antibody page, which highlights complementary products and additional validation data for this important RNA-binding protein.

Explore our ELAVL1 Antibody / ELAV Like RNA Binding Protein 1 Antibody page for additional validated antibodies, application data, and product options targeting the official ELAVL1 gene product.

Application Notes

Titration of the HuR Antibody / Human Antigen R Antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

This HuR antibody was produced from rabbits immunized with human ELAVL1/HuR recombinant protein.

Storage

Aliquot the HuR antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Alternate Names

HuR antibody, Human Antigen R antibody, ELAVL1 antibody, ELAV Like RNA Binding Protein 1 antibody, ELAV-Like Protein 1 antibody, RNA Binding Protein HuR antibody

Copyright © NSJ Bioreagents. All rights reserved.