

HUR monoclonal antibody

Catalog: MB67110

Host: Mouse

Reactivity: Human

BackGround:

The ELAVL (embryonic lethal, abnormal vision and Drosophila-like) family of proteins includes ELAVL1/HuR, ELAVL2/HuB, ELAVL3/HuC and ELAVL4/HuD. ELAVL1/HuR is ubiquitously expressed whereas expression of the other three members is neuronal-specific. ELAVL/Hu proteins are highly conserved RNA-binding proteins. Besides three RNA recognition motifs, these proteins also contain nuclear localization signals that enable them to shuttle between nucleus and cytoplasm. Upon inhibition of transcription by actinomycin D, ELAVL1/HuR relocates from nucleus to cytoplasm where it binds the AU-rich elements within 3' UTRs to stabilize mRNAs. ELAVL1/HuR is suggested to increase translation by binding to mRNAs. In addition, ELAVL1/HuR interacts with microRNAs (miRNAs).

Product:

Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~ 34 kDa

Swiss-Prot:

Q15717

Purification&Purity:

This antibody is purified through a protein G column.

Applications:

WB (1/500 - 1/1000), IF/ICC (1/10 - 1/50)

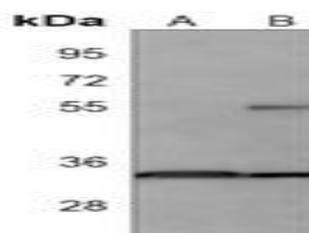
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

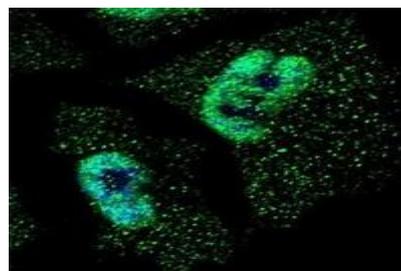
Specificity:

Recognizes endogenous levels of HUR protein.

DATA:



Western blot analysis of HUR expression in 293 (A), Jurkat (B) whole cell lysates.



Immunofluorescent analysis of HUR staining in NCIH460 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

Note:

For research use only, not for use in diagnostic procedure.

Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: info@bioworld.com

Tel: 6123263284

Fax: 6122933841

Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: info@biogot.com

Tel: 0086-025-68037686

Fax: 0086-025-68035151