

DATASHEET

HuC Rabbit Polyclonal Antibody

CAT. NO. APA12818

KEY FEATURES

| | | | |
|---------------|---|---------------|---------------------|
| Target | HuC | Source / Host | Rabbit |
| Reactivity | Human, Mouse, Rat | Clonality | Polyclonal |
| Applications | WB, IHC, IF/ICC, IP | Conjugation | Unconjugated |
| Form / Buffer | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. | | Storage at -20°C |

BACKGROUND

RNA-binding protein that binds to AU-rich element (ARE) sequences of target mRNAs, including VEGF mRNA sequences of target mRNAs, including VEGF mRNA . May also bind poly-A tracts via RRM 3 . May be involved in neuronal differentiation and maintenance . Plays a role in the stabilization of GAP43 mRNA and in spatial learning .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

| | |
|--------|----------------|
| WB | 1:500 - 1:2000 |
| IHC | 1:50 - 1:200 |
| IF/ICC | 1:50 - 1:200 |
| IP | 1:20 - 1:50 |

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

| | |
|-------------------|--|
| Description | Rabbit polyclonal antibody to HuC |
| Specificity | Recognizes endogenous levels of HuC protein. |
| Antibody Type | Primary antibody |
| Immunogen | KLH-conjugated synthetic peptide of human HuC |
| Purification | The antibody was purified by immunogen affinity chromatography. |
| Molecular Weight | Predicted: 38; Observed: 38 kD |
| Form/Buffer | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| Alternative Names | HUC; PLE21; ELAV-like protein 3; Hu-antigen C; HuC; Paraneoplastic cerebellar degeneration-associated antigen; Paraneoplastic limbic encephalitis antigen 21 |
| Gene Symbol | ELAVL3 |
| Entrez Gene | 1995(Human); 15571(Mouse) |
| SwissProt | Q14576(Human); Q60900(Mouse) |

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

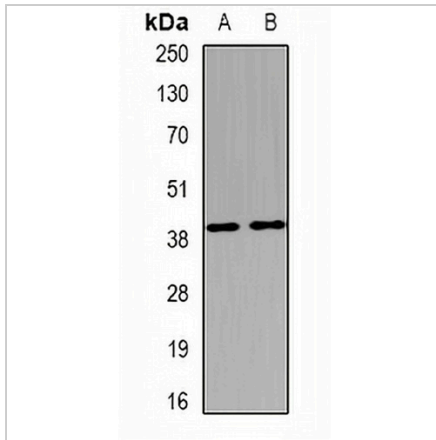
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

DATASHEET

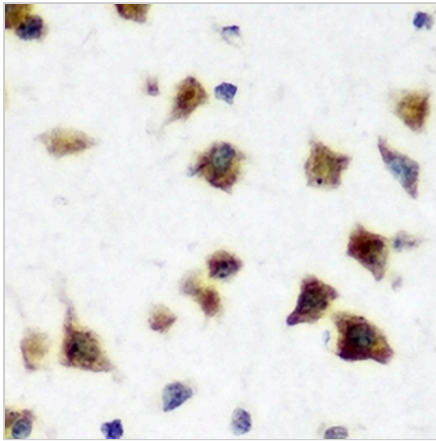
HuC Rabbit Polyclonal Antibody

CAT. NO. APA12818

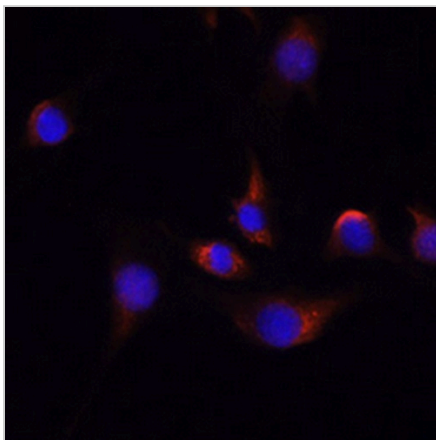
DATA



Western blot analysis of HuC expression in mouse brain (A), rat brain (B) whole cell lysates. (Predicted band size: 38; 39 kD; Observed band size: 38 kD)



Immunohistochemical analysis of HuC staining in rat brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of HuC staining in SHSY5Y 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 AREX® Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.