abcam

Product datasheet

Anti-HuC/HuD protein antibody [16A11] ab14370

6 Abreviews 5 References

Overview

Product name	Anti-HuC/HuD protein antibody [16A11]
Description	Mouse monoclonal [16A11] to HuC/HuD protein
Host species	Mouse
Specificity	Hu proteins ELAVL2, ELAVL3 and ELAVL4.
Tested applications	**Suitable for:** IHC-Fr, WB, IHC-FoFr
Species reactivity	**Reacts with:** Mouse, Rat, Human, Zebrafish
Immunogen	Synthetic peptide (Human, conserved in ELAVL2, ELAVL3 and ELAVL4).
Positive control	IHC/ICC: brain sections. WB: 10ng of recombinant HuD (using ECL or ECL Plus) in under one minute of exposure to film.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.05% Sodium azide Constituent: PBS
Purification notes	Precipitated from tissue culture supernatant.
Clonality	Monoclonal
Clone number	16A11
Isotype	IgG2b

Applications

The Abpromise guarantee Our Abpromise guarantee covers the use of ab14370 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-Fr		

Application	Abreviews	Notes
WB	(1)	
IHC-FoFr		

Application notes

IHC-Fr: Use at a concentration of 0.1 - 1 µg/ml.
IHC-FoFr: Use at an assay dependent dilution (PMID 18669500).
WB: Use at a concentration of 1 µg/ml. Predicted molecular weight: 36, 40 and 42 kDa.

Not yet tested in other applications.
Optimal dilutions/concentrations should be determined by the end user.

Target

Function

Binds to AU-rich sequences (AREs) of target mRNAs, including VEGF mRNA. May also bind poly-A tracts via RRM 3 (By similarity). May be involved in neuronal differentiation and maintenance.

Tissue specificity

Brain specific.

Sequence similarities

Belongs to the RRM elav family.
Contains 3 RRM (RNA recognition motif) domains.

Domain

RRM 1 and RRM 2 bind cooperatively to AU-rich sequences in target mRNAs. RRM 3 binds to poly-A mRNA sequences.

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