Datasheet for ABIN2855183

anti-HNRNPD/AUF1 antibody

3 Images

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Overview

Quantity:	100 µL
Target:	HNRNPD/AUF1 (HNRNPD)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HNRNPD/AUF1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human AUF1. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Rabbit Polyclonal antibody to AUF1 (heterogeneous nuclear ribonucleoprotein D (AU-rich element RNA binding protein 1, 37 kDa)) AUF1 antibody [N1C1]
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	HNRNPD/AUF1 (HNRNPD)
Alternative Name:	heterogeneous nuclear ribonucleoprotein D (HNRNPD Products)

Target Details

Background:	This gene belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are nucleic acid binding proteins and they complex with heterogeneous nuclear RNA (hnRNA). These proteins are associated with pre-mRNAs in the nucleus and appear to influence pre-mRNA processing and other aspects of mRNA metabolism and transport. While all of the hnRNPs are present in the nucleus, some seem to shuttle between the nucleus and the cytoplasm. The hnRNP proteins have distinct nucleic acid binding properties. The protein encoded by this gene has two repeats of quasi-RRM domains that bind to RNAs. It localizes to both the nucleus and the cytoplasm. This protein is implicated in the regulation of mRNA stability. Alternative splicing of this gene results in four transcript variants. Cellular Localization: Nucleus
Molecular Weight:	38 kDa
Gene ID:	3184
UniProt:	Q14103

Application Details

Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: A431
Restrictions:	For Research Use only

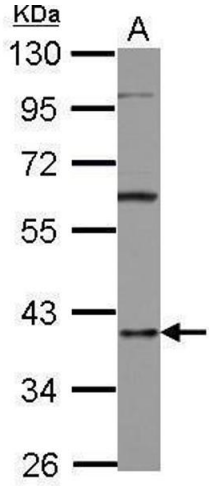
Handling

Format:	Liquid
Concentration:	0.69 mg/mL
Buffer:	1XPBS (pH 7), 1 % BSA, 20 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage

Handling

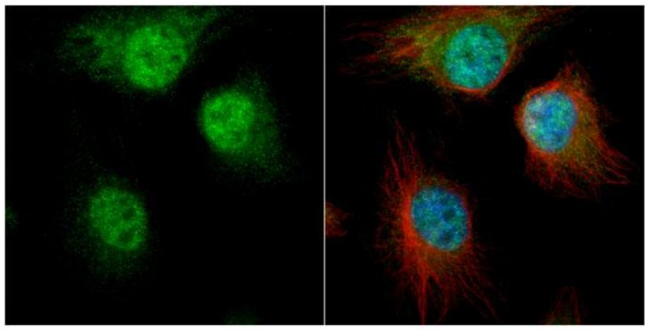
(1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



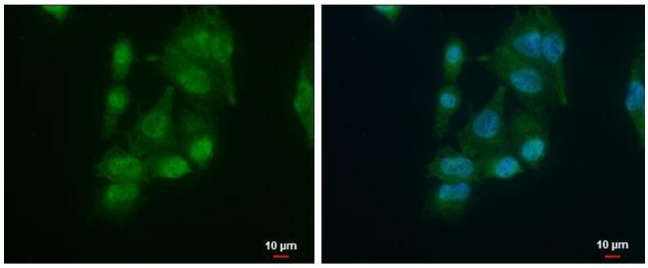
Western Blotting

Image 1. WB Image Sample (30 ug of whole cell lysate) A: A431 10% SDS PAGE antibody diluted at 1:1000



Immunofluorescence

Image 2. ICC/IF Image AUF1 antibody [N1C1] detects AUF1 protein at cytoplasm and nucleus by immunofluorescent analysis. Sample: HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: AUF1 protein stained by AUF1 antibody [N1C1] , diluted at 1:500. Red: alpha Tubulin, a cytoskeleton marker, stained by alpha Tubulin antibody [B-5-1-2] , diluted at 1:10000. Blue: Hoechst 33342 staining.



Immunofluorescence

Image 3. ICC/IF Image AUF1 antibody [N1C1] detects AUF1 protein at cytoplasm and nucleus by immunofluorescent analysis. Sample: Hep G2 cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: AUF1 protein stained by AUF1 antibody [N1C1] , diluted at 1:500. Blue: Hoechst 33342 staining. Scale bar = 10 µm.