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Datasheet for ABIN7155102

anti-HNRNPD/AUF1 antibody (AA 1-306)

3 Images

Overview

Quantity:	100 µL
Target:	HNRNPD/AUF1 (HNRNPD)
Binding Specificity:	AA 1-306
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HNRNPD/AUF1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Recombinant Human Heterogeneous nuclear ribonucleoprotein D0 protein (1-306AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	HNRNPD/AUF1 (HNRNPD)
Alternative Name:	HNRNPD (HNRNPD Products)
Background:	Background: Binds with high affinity to RNA molecules that contain AU-rich elements (AREs) found within the 3'UTR of many proto-oncogenes and cytokine mRNAs. Also binds to

Target Details

double- and single-stranded DNA sequences in a specific manner and functions as a transcription factor. Each of the RNA-binding domains specifically can bind solely to a single-stranded non-monotonous 5'-UUAG-3' sequence and also weaker to the single-stranded 5'-TTAGGG-3' telomeric DNA repeat. Binds RNA oligonucleotides with 5'-UUAGGG-3' repeats more tightly than the telomeric single-stranded DNA 5'-TTAGGG-3' repeats. Binding of RRM1 to DNA inhibits the formation of DNA quadruplex structure which may play a role in telomere elongation. May be involved in translationally coupled mRNA turnover. Implicated with other RNA-binding proteins in the cytoplasmic deadenylation/translational and decay interplay of the FOS mRNA mediated by the major coding-region determinant of instability (mCRD) domain. May play a role in the regulation of the rhythmic expression of circadian clock core genes. Directly binds to the 3'UTR of CRY1 mRNA and induces CRY1 rhythmic translation. May also be involved in the regulation of PER2 translation.

Aliases: ARE binding protein AUF1 type A antibody, AU-rich element RNA-binding protein 1 antibody, AUF antibody, AUF1 antibody, AUF1A antibody, Heterogeneous nuclear ribonucleoprotein D0 antibody, hnRNP D antibody, hnRNP D0 antibody, Hnrnpd antibody, hnRNP D0 antibody, HNRPD antibody, HNRPD_HUMAN antibody, P37 antibody

UniProt: [Q14103](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:1000, IHC:1:20-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

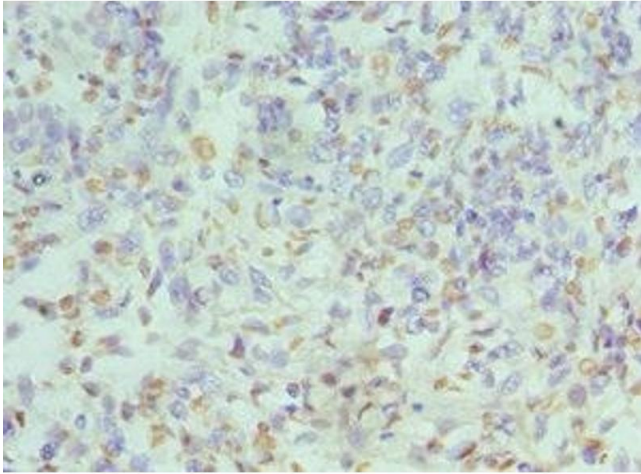
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

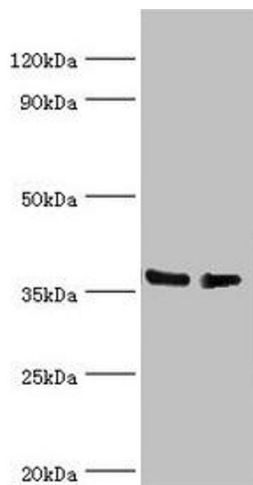
Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



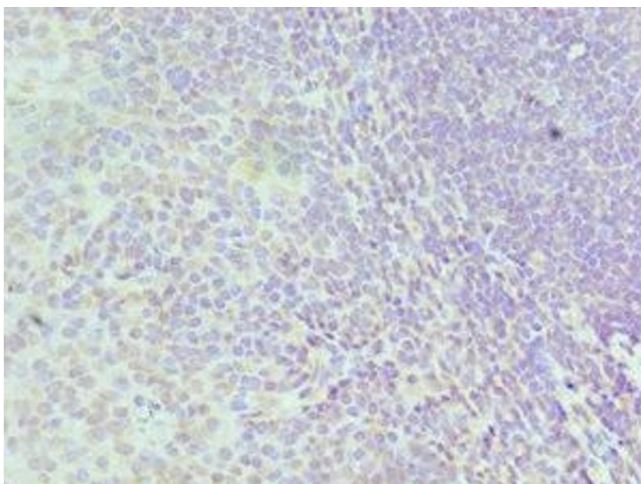
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human endometrial cancer using ABIN7155102 at dilution of 1:100



Western Blotting

Image 2. Western blot All lanes: HNRNPD antibody at 4 μ g/mL Lane 1: HeLa whole cell lysate Lane 2: 293T whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 39, 37, 33, 31 kDa Observed band size: 39 kDa



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human tonsil tissue using ABIN7155102 at dilution of 1:100