



Datasheet for ABIN2778892
anti-HNRNPU antibody (N-Term)



[Go to Product page](#)

3 Images

Overview

Quantity:	100 µL
Target:	HNRNPU
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Rabbit, Dog, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HNRNPU antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human HNRNPU
Sequence:	NGAAGAADSG PMEEEEAAASE DENGDDQGFQ EGEDELGDDEE EGAGDENGHG
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against HNRNPU. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	HNRNPU
---------	--------

Target Details

Alternative Name: [HNRNPU \(HNRNPU Products\)](#)

Background: HNRNPU belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). 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. HNRNPU contains a RNA binding domain and scaffold-associated region (SAR)-specific bipartite DNA-binding domain. This protein is also thought to be involved in the packaging of hnRNA into large ribonucleoprotein complexes. During apoptosis, this protein is cleaved in a caspase-dependent way. But this cleavage does not affect the function of the encoded protein in RNA metabolism. This gene belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are RNA binding proteins and they form complexes 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 contains a RNA binding domain and scaffold-associated region (SAR)-specific bipartite DNA-binding domain. This protein is also thought to be involved in the packaging of hnRNA into large ribonucleoprotein complexes. During apoptosis, this protein is cleaved in a caspase-dependent way. Cleavage occurs at the SALD site, resulting in a loss of DNA-binding activity and a concomitant detachment of this protein from nuclear structural sites. But this cleavage does not affect the function of the encoded protein in RNA metabolism. At least two alternatively spliced transcript variants have been identified for this gene.

Alias Symbols: HNRPU, SAF-A, U21.1, hnRNP U

Protein Interaction Partner: FBXW11, FUS, HUWE1, BTRC, UBC, TUBG1, TP53, AURKA, MAGED2, TUBGCP3, CEP57, AURKB, SUMO2, SUMO3, CEP70, CEP76, MDM2, LGALS3BP, EMD, HAUS2, TUBGCP4, CEP250, NEDD1, STAU1, IVNS1ABP, LGR4, ERG, RPA3, RPA2, RPA1, WWOX, RNF2, SHFM1, EED, rev, RPS29, RPS27, RPS6

Protein Size: 806

Molecular Weight: 89 kDa

Gene ID: 3192

NCBI Accession: [NM_004501](#), [NP_004492](#)

UniProt: [Q00839](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 806 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

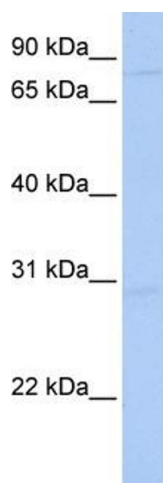
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



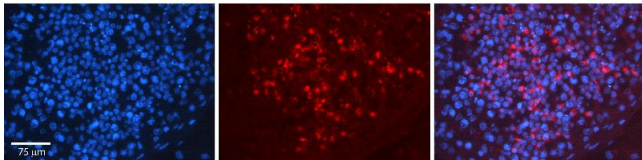
Western Blotting

Image 1. WB Suggested Anti-HNRNPU Antibody Titration: 0.2-1 ug/ml Positive Control: MCF7 cell lysate HNRNPU is supported by BioGPS gene expression data to be expressed in MCF7



Western Blotting

Image 2. Host: Mouse Target Name: HNRNPU Sample Tissue: Mouse Liver Antibody Dilution: 1ug/ml



Immunohistochemistry

Image 3. Rabbit Anti-HNRNPU Antibody Formalin Fixed Paraffin Embedded Tissue: Human Testis Tissue Observed Staining: Cytoplasm and nucleus in spermatogonia and spermatocytes Primary Antibody Concentration: N/A Other Working Concentrations: 1:600 Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec