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Datasheet for ABIN2775198

## anti-DDX21 antibody (C-Term)

1 Image

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### Overview

Quantity:	100 µL
Target:	DDX21
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Horse, Dog, Pig, Guinea Pig, Cow, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DDX21 antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human DDX21
Sequence:	FRGQRDGNRR FRGQREGSRG PRGQRSGGGN KSNRSQNKGG KRSFSKAFGQ
Predicted Reactivity:	Cow: 86%, Dog: 93%, Guinea Pig: 86%, Horse: 93%, Human: 100%, Pig: 93%, Rabbit: 93%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against DDX21. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

### Target Details

Target:	DDX21
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## Target Details

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Alternative Name:	DDX21 ( <a href="#">DDX21 Products</a> )
Background:	<p>DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. DDX21 encodes a DEAD box protein, which is an antigen recognized by autoimmune antibodies from a patient with watermelon stomach disease. This protein unwinds double-stranded RNA, folds single-stranded RNA, and may play important roles in ribosomal RNA biogenesis, RNA editing, RNA transport, and general transcription.</p> <p>Alias Symbols: GUA, GURDB, RH-II/GU, RH-II/GuA</p> <p>Protein Interaction Partner: HUWE1, PA2G4, KPNA3, CEP250, SUMO2, SUMO3, STAU1, IVNS1ABP, UBC, MDM2, LGR4, SUMO1, ERG, WWOX, EED, rev, SRPK2, SRPK3, FBXO6, TARDBP, LYN, AICDA, PAN2, vif, WHSC1, VCAM1, ITGA4, IL7R, FN1, CSNK2A1, YWHAE, SMURF1, H2AFX, APTX, ESR1, FTSJ3, PCDHA2, RRP7A, R</p> <p>Protein Size: 783</p>
Molecular Weight:	86 kDa
Gene ID:	9188
NCBI Accession:	<a href="#">NM_004728</a> , <a href="#">NP_004719</a>
UniProt:	<a href="#">Q9NR30</a>
Pathways:	<a href="#">SARS-CoV-2 Protein Interactome</a>

## Application Details

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Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 783 AA
Restrictions:	For Research Use only

## Handling

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

## Handling

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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.

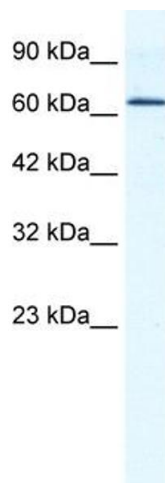
## Publications

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Product cited in: Yang, Kitamura, Wu, Chang, Ling, Kuo: "Tooth Germ-Like Construct Transplantation for Whole-Tooth Regeneration: An In Vivo Study in the Miniature Pig." in: **Artificial organs**, Vol. 40, Issue 4, pp. E39-50, (2016) ([PubMed](#)).

## Images

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### Western Blotting

**Image 1.** WB Suggested Anti-DDX21 Antibody Titration: 1.25ug/ml ELISA Titer: 1:1562500 Positive Control: HepG2 cell lysate DDX21 is supported by BioGPS gene expression data to be expressed in HepG2