Datasheet for ABIN2775241

anti-DDX28 antibody (N-Term)

1 Image

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Overview

Quantity:	100 µL
Target:	DDX28
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DDX28 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human DDX28
Sequence:	FSIERAQQEA PAVRKLSSKG SFADLGLEPR VLHALQEAAP EVVQPTTVQS
Predicted Reactivity:	Cow: 79%, Human: 100%, Mouse: 83%, Pig: 85%, Rat: 83%
Characteristics:	This is a rabbit polyclonal antibody against DDX28. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	DDX28
Alternative Name:	DDX28 (DDX28 Products)

Target Details

Background:	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 the DEAD box protein family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. DDX28 is an RNA-dependent ATPase. DDX28 is localized in the mitochondria and the nucleus, and can be transported between the mitochondria and the nucleus.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 the DEAD box protein family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene is intronless. It encodes an RNA-dependent ATPase. The encoded protein is localized in the mitochondria and the nucleus, and can be transported between the mitochondria and the nucleus. Alias Symbols: FLJ11282, MDDX28 Protein Interaction Partner: MRPL52, TMEM43, MRPL57, MRPL9, MRPL11, MRPL32, MRPL17, MFF, ATP6V1H, ATP6V1D, MRPL2, MRPL42, TCIRG1, RAB11B, LAMTOR3, RBMS2, PCDH7, ILF2, ICT1, ATP6V1A, CUL3, SH3KBP1, HNRNPA1, Ybx1, Protein Size: 540
Molecular Weight:	59 kDa
Gene ID:	55794
NCBI Accession:	NM_018380, NP_060850
UniProt:	Q9NUL7

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 540 AA
Restrictions:	For Research Use only

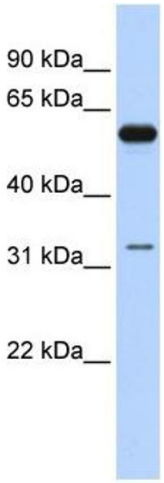
Handling

Format:	Liquid

Handling

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.

Validation report #100039 for Immunocytochemistry (ICC)



Western Blotting

Image 1. WB Suggested Anti-DDX28 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Human brain