Datasheet for ABIN2775257

anti-DDX50 antibody (N-Term)

1 Image | 1 Publication

Go to Product page

Overview

Quantity:	100 µL
Target:	DDX50
Binding Specificity:	N-Term
Reactivity:	Human, Dog, Cow, Guinea Pig, Horse, Pig, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DDX50 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 DDX50
Sequence:	EESESQKKER QKSDRRKSRH HYDSDEKSET RENGVTDDLD APKAKKSKMK
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 79%, Horse: 100%, Human: 100%, Pig: 93%, Rabbit: 100%
Characteristics:	This is a rabbit polyclonal antibody against DDX50. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

Target Details

Target:	DDX50
Alternative Name:	DDX50 (DDX50 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 this DEAD box protein family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. DDX50 is a DEAD box enzyme that may be involved in ribosomal RNA synthesis or processing. DDX50 and DDX21, also called RH-II/GuA, have similar genomic structures and are in tandem orientation on chromosome 10, suggesting that the two genes arose by gene duplication in evolution. DDX50 gene has pseudogenes on chromosomes 2, 3 and 4. Alternative splicing of this gene generates multiple transcript variants, but the full length nature of all the other variants but one has not been defined. Alias Symbols: GU2, GUB, RH-II/GuB Protein Interaction Partner: SUMO3, UBC, LIN28A, PRKRA, TARBP2, EED, RNF2, TARDBP, SRPK2, WHSC1, KRAS, ESR1, BARD1, CAND1, CUL3, HDGF, STAU1, SRRM2, Protein Size: 737
Molecular Weight:	81 kDa
Gene ID:	79009
NCBI Accession:	NM_024045, NP_076950
UniProt:	Q9BQ39

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 737 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

Handling

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

Product cited in:	Small, Seman, Castator, Brown, Liggett: "False positive non-synonymous polymorphisms of G-protein coupled receptor genes." in: **FEBS letters**, Vol. 516, Issue 1-3, pp. 253-6, (2002) (PubMed).

Images

Western Blotting

Image 1. WB Suggested Anti-DDX50 Antibody Titration: 2.5ug/ml ELISA Titer: 1:62500 Positive Control: Jurkat cell lysate DDX50 is supported by BioGPS gene expression data to be expressed in Jurkat