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Datasheet for ABIN6139509
anti-DDX50 antibody (AA 1-135)

6 Images

Overview

Quantity:	100 µL
Target:	DDX50
Binding Specificity:	AA 1-135
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DDX50 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-135 of human DDX50 (NP_076950.1).
Sequence:	MPGKLLWGD I MELEAPLEES ESQKKERQKS DRRKSRHHYD SDEKSETREN GVTDDL DAPK AKKSKMKEKL NGDTEEGFNR LSDEFKSHK SRRKDLPNGD IDEYEKSKR VSSLDTSTHK SSDNKLEETL TREQK
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

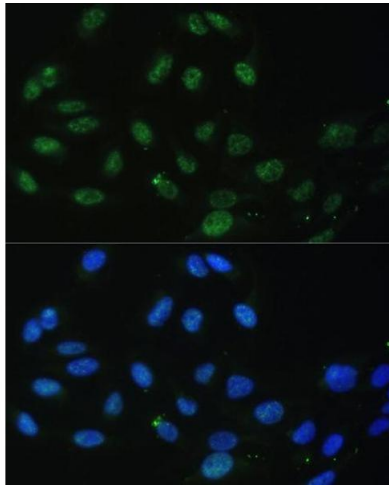
Target:	DDX50
Alternative Name:	DDX50 (DDX50 Products)
Background:	<p>DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of this DEAD box protein family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a DEAD box enzyme that may be involved in ribosomal RNA synthesis or processing. This gene 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. This 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.</p> <p>DDX50,GU2,GUB,RH-II/GuB,mcdrh,Epigenetics & Nuclear Signaling,RNA Binding,DDX50</p>
Molecular Weight:	82 kDa
Gene ID:	79009
UniProt:	Q9BQ39

Application Details

Application Notes:	WB,1:200 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200
Restrictions:	For Research Use only

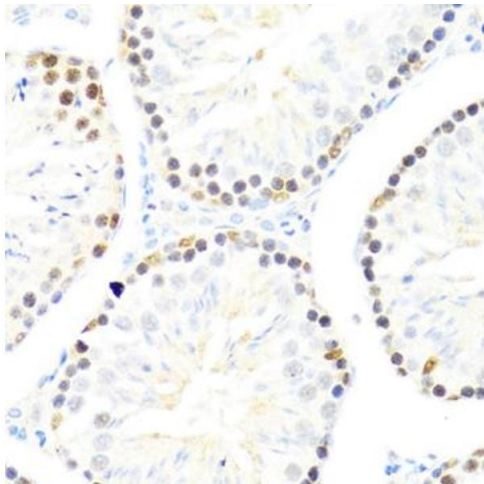
Handling

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
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



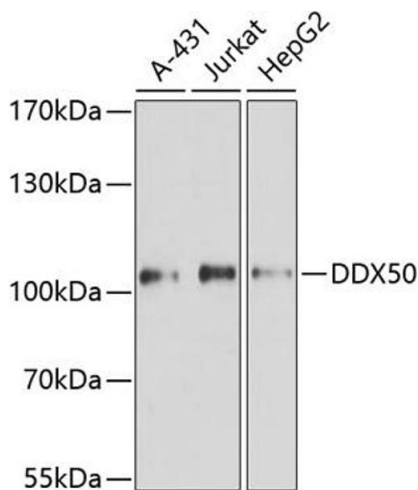
Immunofluorescence

Image 1. Immunofluorescence analysis of U-2 OS cells using DDX50 antibody (ABIN6129371, ABIN6139509, ABIN6139510 and ABIN6224730) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunohistochemistry

Image 2. Immunohistochemistry of paraffin-embedded mouse testis using DDX50 antibody (ABIN6129371, ABIN6139509, ABIN6139510 and ABIN6224730) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using DDX50 antibody (ABIN6129371, ABIN6139509, ABIN6139510 and ABIN6224730) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN6139509.