



Rabbit Anti-DDX41 antibody

SL14326R

Product Name:	DDX41
Chinese Name:	ATP依赖RNA解旋酶DDX41抗体
Alias:	2900024F02Rik; AA958953; ABS; AI324246; Ddx41; DDX41_HUMAN; DEAD (Asp-Glu-Ala-Asp) box polypeptide 41; DEAD box protein 41; DEAD box protein abstrakt; DEAD box protein abstrakt homolog; EC 3.6.1.-; fb92e02; MGC55896; MGC8828; Probable ATP-dependent RNA helicase DDX41; Putative RNA helicase; wu:fb92e02; zgc:55896.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	70kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human DDX41:51-150/622
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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 encodes a member of this family. The function of this member has not been determined. Based on studies in Drosophila, the abstract gene is widely required during post-transcriptional gene expression. [provided by RefSeq, Jul 2008]

Function:

Probable ATP-dependent RNA helicase. Is required during post-transcriptional gene expression. May be involved in pre-mRNA splicing.

Subcellular Location:

Nucleus

Similarity:

Belongs to the DEAD box helicase family. DDX41 subfamily.
Contains 1 CCHC-type zinc finger.
Contains 1 helicase ATP-binding domain.
Contains 1 helicase C-terminal domain.

SWISS:

Q9UJV9

Gene ID:

51428

Database links:

[Entrez Gene: 51428](#) Human

[Entrez Gene: 72935](#) Mouse

[Entrez Gene: 314336](#) Rat

[Omim: 608170](#) Human

[SwissProt: Q9UJV9](#) Human

[SwissProt: Q91VN6](#) Mouse

[Unigene: 484288](#) Human

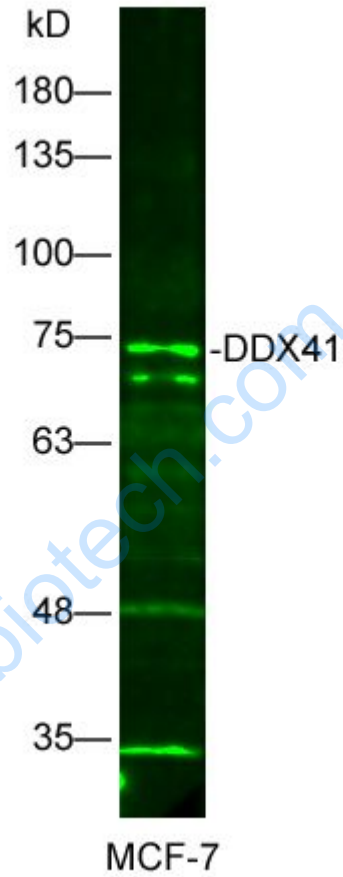
[Unigene: 205045](#) Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

Picture:



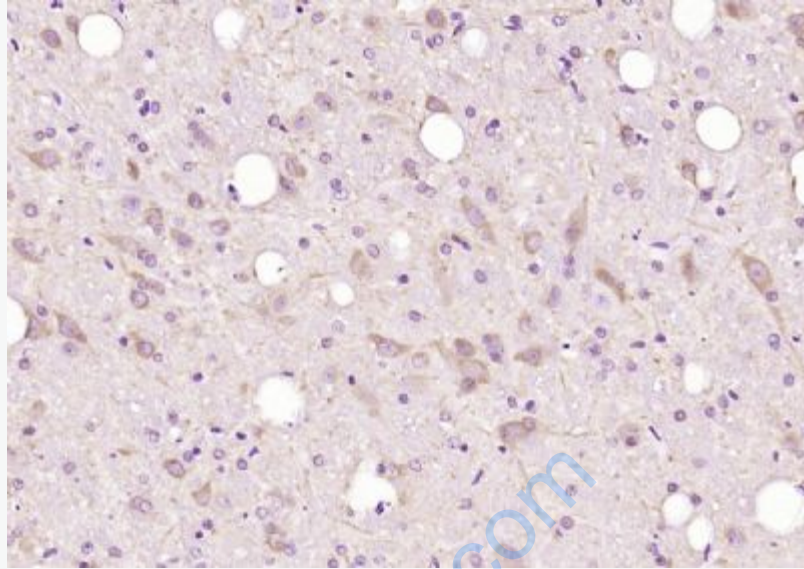
Sample: MCF-7 Cells Lysate at 25 ug

Primary: Anti-DDX41(SL14326R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 70kD

Observed band size: 70kD



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (DDX41) Polyclonal Antibody, Unconjugated (SL14326R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.