SunLong Biotech Co.,LTD
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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.
Research Area	Cell biology Developmental biology Binding protein Cell differentiation Epigenetics
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Rat(predicted:Human,Mouse,Dog,Cow,Horse,Sheep)
Applications	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	70kDa
Cellular localization	The nucleus
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human DDX41: 51-150/622
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	Rat(predicted:Human,Mouse,Dog,Cow,Horse,Sheep)1M TBS(pH7.4) with 1% BSA, Rat(predicted:Human,Mouse,Dog,Cow,Horse,Sheep)3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

PubMed PubMed

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 abstrakt gene is widely required during post-transcriptional gene expression. [provided by RefSeq, Jul 2008]

Product Detail

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

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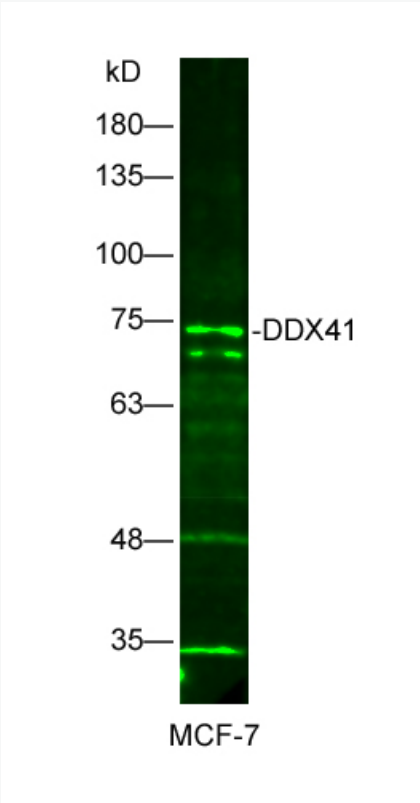
Unigene: 484288 Human

Unigene: 205045 Mouse

Product Picture



Sample: MCF-7 Cells Lysate at 25 ug

Primary: Anti-DDX41(SL143126R) at 1/300 dilution

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

Predicted band size: 70kD

Observed band size: 70kD

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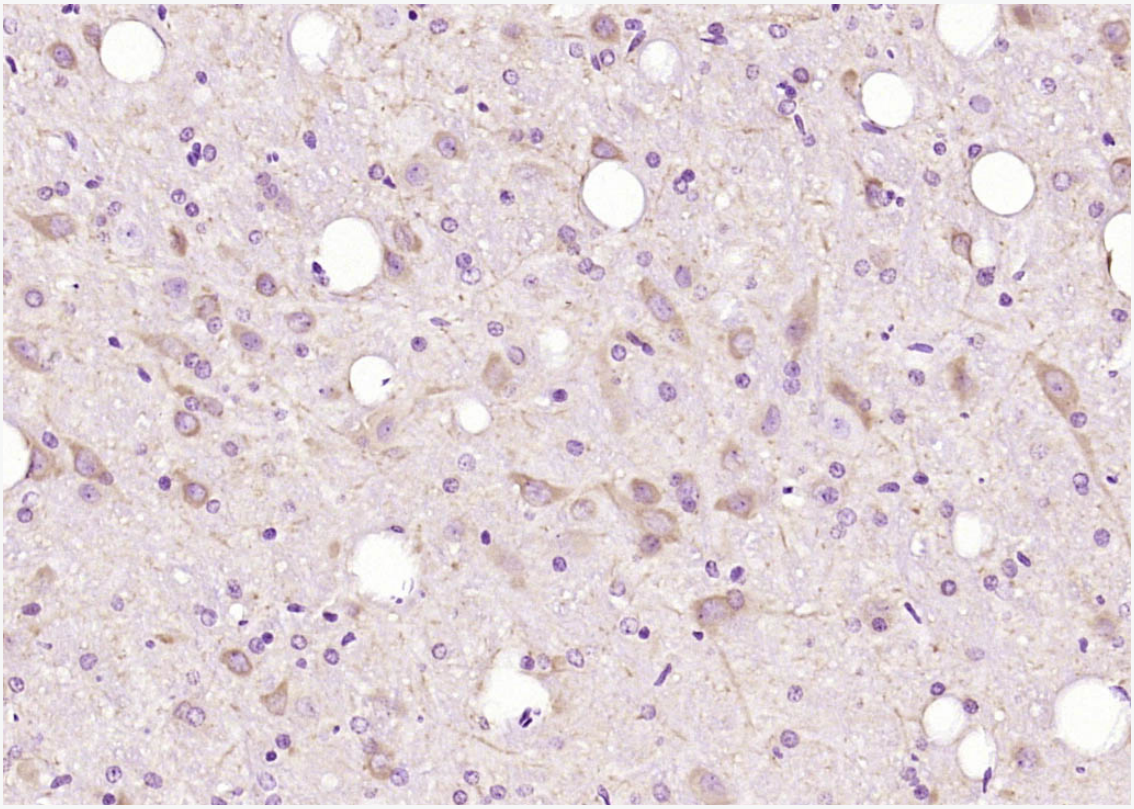

Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (DDX41) Polyclonal Antibody,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