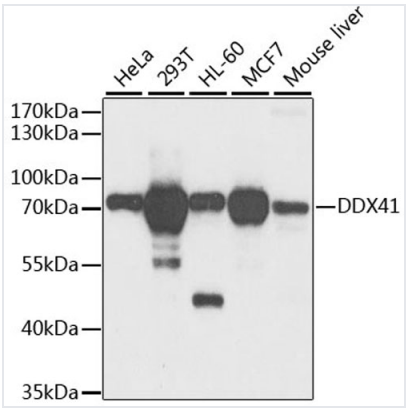
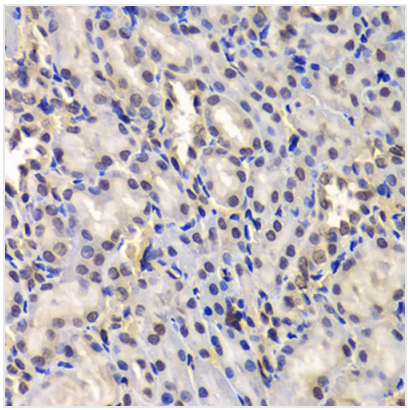
DDX41 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

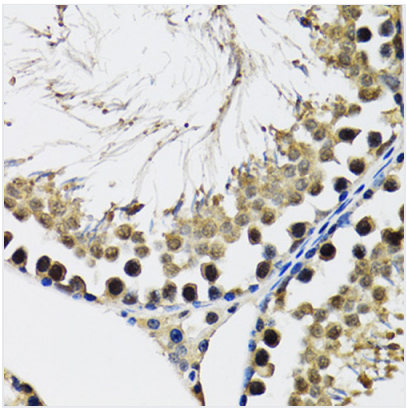
Product Name	DDX41, Polyclonal Antibody
Full Product Name	DDX41 Polyclonal Antibody
Product Gene Name	anti-DDX41 antibody
Product Synonym Names	ABS
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Affinity Purification
Concentration	1mg/ml (lot specific)
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Molecular Weight	622
OMIM	608170
3D Structure	ModBase 3D Structure for Q9UJV9
Species	Human
Immunogen	Recombinant protein of human DDX41
Calculated Molecular Weight	69kDa
Product Categories/Family for anti-DDX41 antibody	Polyclonal
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-DDX41 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Application Notes for anti-DDX41 antibody	WB: 1:500 - 1:2000 IHC: 1:50 - 1:200
Related Product Information for anti-DDX41 antibody	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.
Other Notes	Small volumes of anti-DDX41 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for DDX41 purchase	MBS129738 is an antibody targeting DDX41. Also known as DDX41 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



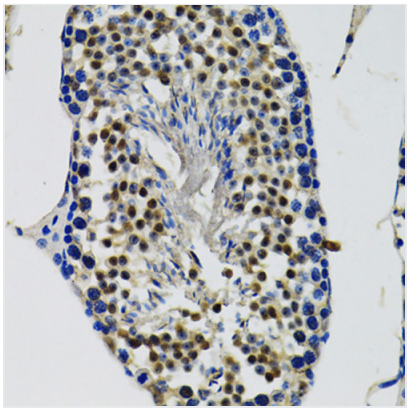
Western Blot (WB) of anti-DDX41 antibody
Western blot analysis of extracts of various cell lines, using DDX41 antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (MBS128200) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit.Exposure time: 30s.



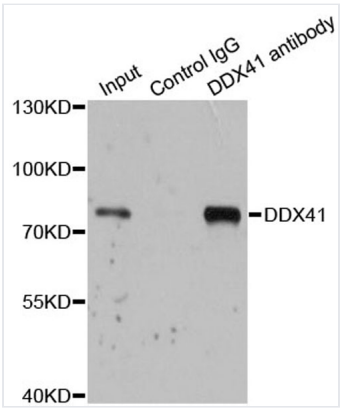
Immunohistochemistry (IHC) of anti-DDX41 antibody
Immunohistochemistry of paraffin-embedded rat kidney using DDX41 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry (IHC) of anti-DDX41 antibody
Immunohistochemistry of paraffin-embedded rat testis using DDX41 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry (IHC) of anti-DDX41 antibody
Immunohistochemistry of paraffin-embedded mouse testis using DDX41 antibody at dilution of 1:100 (40x lens).



Immunoprecipitation (IP) of anti-DDX41 antibody
Immunoprecipitation analysis of 200ug extracts of 293T cells using 1ug DDX41 antibody. Western blot was performed from the immunoprecipitate using DDX41 antibody at a dilition of 1:1000.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DDX41. It may not necessarily be applicable to this product.

NCBI GI #	20532370
NCBI GeneID	51428
NCBI Accession #	Q9UJV9.2

UniProt Primary Accession #	Q9UJV9
UniProt Secondary Accession #	Q96BK6; Q96K05; Q9NT96; Q9NW04; B2RDC8
UniProt Related Accession #	Q9UJV9
NCBI Official Full Name	Probable ATP-dependent RNA helicase DDX41
NCBI Official Synonym Full Names	DEAD (Asp-Glu-Ala-Asp) box polypeptide 41
NCBI Official Symbol	DDX41
NCBI Official Synonym Symbols	ABS
UniProt Protein Name	Probable ATP-dependent RNA helicase DDX41
UniProt Synonym Protein Names	DEAD box protein 41; DEAD box protein abstrakt homolog
Protein Family	Probable ATP-dependent RNA helicase
UniProt Gene Name	DDX41
UniProt Synonym Gene Names	ABS
UniProt Entry Name	DDX41_HUMAN
NCBI Protein Information	probable ATP-dependent RNA helicase DDX41; 2900024F02Rik; DEAD box protein 41; putative RNA helicase; DEAD-box protein abstrakt; DEAD box protein abstrakt homolog
UniProt Comments for DDX41	DDX41: Probable ATP-dependent RNA helicase. Is required during post-transcriptional gene expression. May be involved in pre-mRNA splicing. Belongs to the DEAD box helicase family. DDX41 subfamily. Protein type: Spliceosome; RNA-binding; RNA splicing; EC 3.6.4.13; Helicase Chromosomal Location of Human Ortholog: 5q35.3 Cellular Component: membrane; endoplasmic reticulum; cytosol Molecular Function: protein binding; DNA binding; zinc ion binding; helicase activity; ATP binding Biological Process: RNA processing; nuclear mRNA splicing, via spliceosome; regulation of interferon type I production; apoptosis; multicellular organismal development; positive regulation of interferon type I production; innate immune response; positive regulation of transcription from RNA polymerase II promoter; defense response to virus
Research Articles on DDX41	**1.** results suggest a mechanism whereby c-di-GMP and c-di-AMP are detected by DDX41, which forms a complex with STING to signal to TBK1-IRF3 and activate the interferon response
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