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45-1106: Mouse Monoclonal Antibody to Human DDX41 (Clone : 2G1A8)(Discontinued)

Clonality :	Monoclonal
Clone Name :	2G1A8
Application :	ELISA
Gene :	DDX41
Gene ID :	51428
Uniprot ID :	Q9UJV9
Format :	Purified
Alternative Name :	2900024F02Rik, ABS, Abstrakt, Asp-Glu-Ala-Asp box protein 41, DDX41, DEAD (Asp-Glu-Ala-Asp) box polypeptide 41, DEAD box protein 41, DEAD box protein abstrakt homolog, DEAD-box protein abstrakt, Probable ATP-dependent RNA helicase DDX41, putative RNA helicase
Isotype :	Mouse IgG2b,lambda
Immunogen Information :	Recombinant Human DDX41

Description

DDX41 (DEAD-Box Helicase 41) is a protein coding gene. DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative ATP-dependent 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. It is required during post-transcriptional gene expression. May be involved in pre-mRNA splicing. Human DDX41 Antibody (2G1A8), mAb, Mouse is produced from a hybridoma resulting from the fusion of SP2/0 myeloma and B-lymphocytes obtained from a mouse immunized with recombinant human DDX41.

Product Info

Amount :	40 µg
Purification :	Protein A chromatography
Content :	0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide.
Storage condition :	The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

Application Note

ELISA detection: 0.01-0.1 µg/ml
Western blot: 1-2 µg/ml

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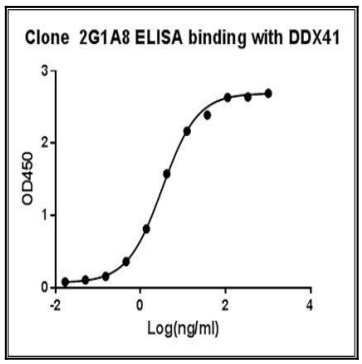


Figure-1 : ELISA binding of DDX41 Antibody (Clone: 2G1A8) with Human DDX41 recombinant protein, Coating antigen: DDX41 at 1 µg/ml, DDX41 antibody dilution start from 1000 ng/ml, EC50= 3.263 ng/ml

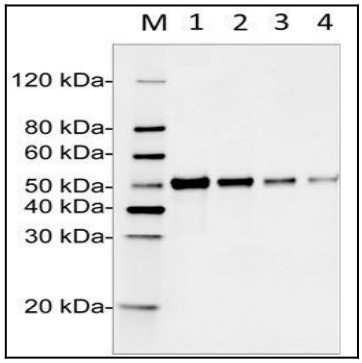


Figure-2 : Western Blot analysis of DDX41 Antibody (Clone: 2G1A8) at 1 Î¼g/ml on Human DDX41 recombinant protein (1-4: 50 ng, 25ng, 10 ng & 5 ng), IRDye 800 conjugated Goat anti-Mouse IgG was used as Secondary Antibody at 0.125 Î¼g/ml.

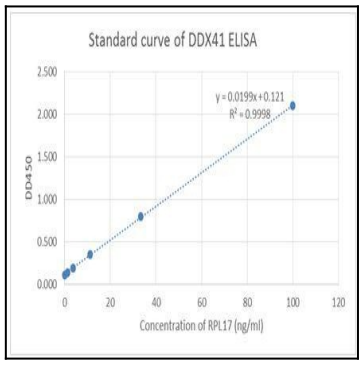


Figure-3 : Standard curve of DDX41 Sandwich ELISA, The DDX41 Sandwich ELISA assay is developed by using Human DDX41 Antibody (Clone: 4F3E11) and Biotin conjugated Human DDX41 Antibody (Clone: 2G1A8) as capture and detect antibody respectively, The sensitivity is <1 ng/ml and the detection range is 0-100 ng/ml.

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