

DDX28 Rabbit pAb

DDX28 Rabbit pAb
Catalog # AP55470

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9NUL7
Reactivity	Rat, Mouse
Predicted	Dog, Human, Rabbit, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	59581
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DDX28
Epitope Specificity	451-540/540
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus. Mitochondrion. Transported between these two compartments. Nuclear localization depends on active RNA polymerase II transcription.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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 is intronless. It encodes an RNA-dependent ATPase. The encoded protein is localized in the mitochondria and the nucleus, and can be transported between the mitochondria and the nucleus. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	55794
Other Names	Probable ATP-dependent RNA helicase DDX28, 3.6.4.13, Mitochondrial DEAD box protein 28, DDX28, MDDX28
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

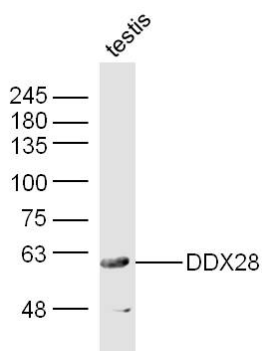
Protein Information

Name	DDX28
Synonyms	MDDX28
Function	Plays an essential role in facilitating the proper assembly of the mitochondrial large ribosomal subunit and its helicase activity is essential for this function (PubMed: 25683708 , PubMed: 25683715). May be involved in RNA processing or transport. Has RNA and Mg(2+)- dependent ATPase activity (PubMed: 11350955).
Cellular Location	Nucleus. Mitochondrion. Mitochondrion matrix, mitochondrion nucleoid. Mitochondrion matrix. Note=Transported between these two compartments. Nuclear localization depends on active RNA polymerase II transcription. Localizes to mitochondrial RNA granules found in close proximity to the mitochondrial nucleoids.
Tissue Location	Expressed in all tissues tested, including brain, placenta, lung, liver, skeletal muscle, kidney, pancreas, leukocytes, colon, small intestine, ovary and prostate

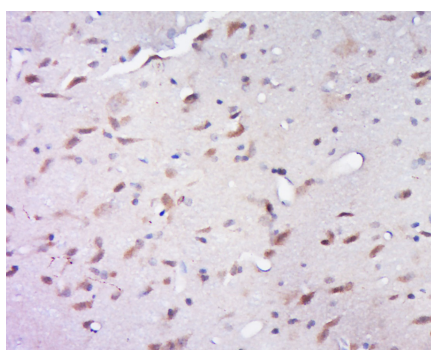
Background

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Images



Sample: testis (Mouse) Lysate at 40 ug
Primary: Anti-DDX28(AP55470) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 60 kD
Observed band size: 60 kD



Tissue/cell: Rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37 °C for 20 min;
Incubation: Anti-DDX28 Polyclonal Antibody, Unconjugated(AP55470) 1:500, overnight at 4 °C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.