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DDX24 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17205c

Specification

DDX24 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q9GZR7
Other Accession	NP_065147.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**96332**
Antigen Region	**506-534**

DDX24 Antibody (Center) - Additional Information

Gene ID 57062

Other Names
ATP-dependent RNA helicase DDX24, DEAD box protein 24, DDX24

Target/Specificity
This DDX24 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 506-534 amino acids from the Central region of human DDX24.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
DDX24 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

DDX24 Antibody (Center) - Protein Information

Name DDX24

Function ATP-dependent RNA helicase that plays a role in various aspects of RNA metabolism

including pre-mRNA splicing and is thereby involved in different biological processes such as cell cycle regulation or innate immunity (PubMed:24204270, PubMed:24980433). Plays an inhibitory role in TP53 transcriptional activity and subsequently in TP53 controlled cell growth arrest and senescence by inhibiting its EP300 mediated acetylation (PubMed:25867071). Negatively regulates cytosolic RNA-mediated innate immune signaling at least in part by affecting RIPK1/IRF7 interactions. Alternatively, possesses antiviral activity by recognizing gammaherpesvirus transcripts in the context of lytic reactivation (PubMed:36298642). Plays an essential role in cell cycle regulation in vascular smooth muscle cells by interacting with and regulating FANCA (Fanconi anemia complementation group A) mRNA (By similarity).

Cellular Location
Cytoplasm. Nucleus

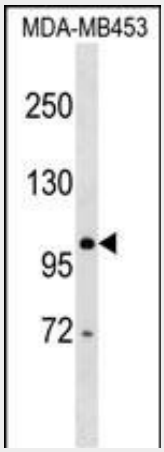
Tissue Location
Ubiquitous. Most abundant in heart and brain, but with lowest levels in thymus and small intestine

DDX24 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

DDX24 Antibody (Center) - Images



DDX24 Antibody (Center) (Cat. #AP17205c) western blot analysis in MDA-MB453 cell line lysates (35ug/lane).This demonstrates the DDX24 antibody detected the DDX24 protein (arrow).

DDX24 Antibody (Center) - Background

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 this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a DEAD box protein, which shows little similarity to any of the other known human DEAD box proteins, but shows a high similarity to mouse Ddx24 at the amino acid level.

DDX24 Antibody (Center) - References

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Ma, J., et al. Virology 375(1):253-264(2008)
Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)
Matsuoka, S., et al. Science 316(5828):1160-1166(2007)
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