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Anti-DDX24 Antibody

Catalog # AP60263

Product Information

Application	WB, IHC
Primary Accession	Q9GZR7
Reactivity	Human, Mouse, Rat, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	96332

Additional Information

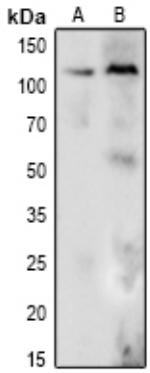
Gene ID	57062
Other Names	ATP-dependent RNA helicase DDX24; DEAD box protein 24
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human DDX24. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

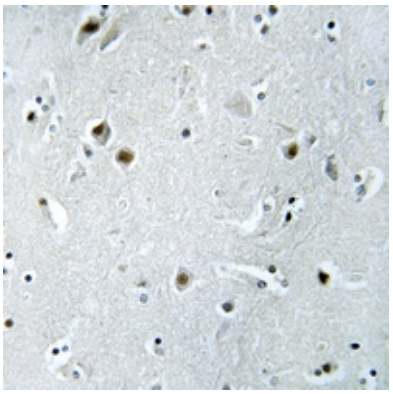
Name	DDX24
Function	ATP-dependent RNA helicase that plays a role in various aspects of RNA metabolism including pre-mRNA splicing and is thereby involved in different biological processes such as cell cycle regulation or innate immunity (PubMed:24204270, PubMed:24980433). Plays an inhibitory role in 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

Images



Western blot analysis of DDX24 expression in Hela (A), HEK293T (B) whole cell lysates. (Predicted band size: 96 kD; Observed band size: 120 kD)



Immunohistochemical analysis of DDX24 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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