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DDX39 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI10973

Product Information

Application	WB
Primary Accession	O00148
Other Accession	NM_005804, NP_005795
Reactivity	Human, Mouse, Rat, Dog, Bovine
Predicted	Human, Mouse, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49130

Additional Information

Gene ID	10212
Alias Symbol	BAT1, DDXL, BAT1L, DDX39, URH49
Other Names	ATP-dependent RNA helicase DDX39A, 3.6.4.13, DEAD box protein 39, Nuclear RNA helicase URH49, DDX39A, DDX39
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 100 ul of distilled water. Final anti-DDX39 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	DDX39 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

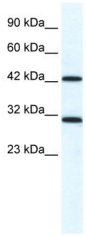
Name	DDX39A
Synonyms	DDX39
Function	Helicase that plays an essential role in mRNA export and is involved in multiple steps in RNA metabolism including alternative splicing (PubMed:33941617, PubMed:38801080). Regulates nuclear mRNA export to the cytoplasm through association with ECD (PubMed:33941617). Also involved in spliceosomal uridine-rich small nuclear RNA (U snRNA) export by stimulating the RNA binding of adapter PHAX (PubMed:39011894). Plays a role in the negative regulation of type I IFN production by increasing the nuclear retention of antiviral transcripts and thus reducing their protein

	expression (PubMed:32393512). Independently of the interferon pathway, plays an antiviral role against alphaviruses by binding to a 5' conserved sequence element in the viral genomic RNA (PubMed:37949067).
Cellular Location	Nucleus. Cytoplasm. Note=Can translocate to the cytoplasm in the presence of MX1 (PubMed:21859714). Accumulates in the cytoplasm upon infection with chikungunya virus (PubMed:37949067)
Tissue Location	Detected in testis, and at lower levels in brain, kidney, lung, thymus, spleen and salivary gland

References

Pryor,A., et al., (2004) Nucleic Acids Res. 32 (6), 1857-1865Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.Publications:Majerciak, V., Deng, M. & Zheng, Z.-M. Requirement of UAP56, URH49, RBM15, and OTT3 in the expression of Kaposi sarcoma-associated herpesvirus ORF57. Virology 407, 206-12 (2010). WB, Human, Mouse, Rat, Dog, Guinea pig, Bovine20828777

Images



WB Suggested Anti-DDX39 Antibody Titration: 1.25µg/ml
ELISA Titer: 1:312500
Positive Control: HepG2 cell lysate
DDX39A is supported by BioGPS gene expression data to be expressed in HepG2

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