

DDX39 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI10973**Specification**

DDX39 antibody - N-terminal region - Product Information

Application	WB
Primary Accession	O00148
Other Accession	NM_005804 , NP_005795
Reactivity	Human, Mouse, Rat, Bovine, Dog
Predicted	Human, Mouse, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	47kDa KDa

DDX39 antibody - N-terminal region - 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.

DDX39 antibody - N-terminal region - 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](http://www.uniprot.org/citations/33941617), PubMed: [38801080](http://www.uniprot.org/citations/38801080)). Regulates nuclear mRNA export to the cytoplasm through association with ECD (PubMed: [33941617](http://www.uniprot.org/citations/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

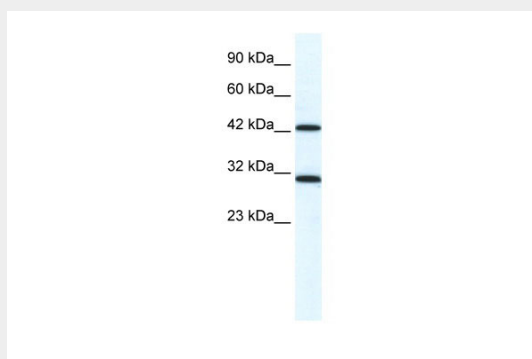
Detected in testis, and at lower levels in brain, kidney, lung, thymus, spleen and salivary gland

DDX39 antibody - N-terminal region - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DDX39 antibody - N-terminal region - 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

DDX39 antibody - N-terminal region - References

Pryor,A., et al., (2004) Nucleic Acids Res. 32 (6), 1857-1865
Reconstitution 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