

DDX39A Antibody
Rabbit Polyclonal Antibody
Catalog # ALS16249**Specification**

DDX39A Antibody - Product Information

Application	IHC, WB
Primary Accession	O00148
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49kDa KDa

DDX39A Antibody - Additional Information**Gene ID** 10212**Other Names**

ATP-dependent RNA helicase DDX39A, 3.6.4.13, DEAD box protein 39, Nuclear RNA helicase URH49, DDX39A, DDX39

Target/Specificity

Human DDX39A / DDX39

Reconstitution & Storage

Aliquot and freeze at -20° C. Avoid freeze-thaw cycles.

Precautions

DDX39A Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

DDX39A Antibody - 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](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/32393512))

target="_blank">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

Volume

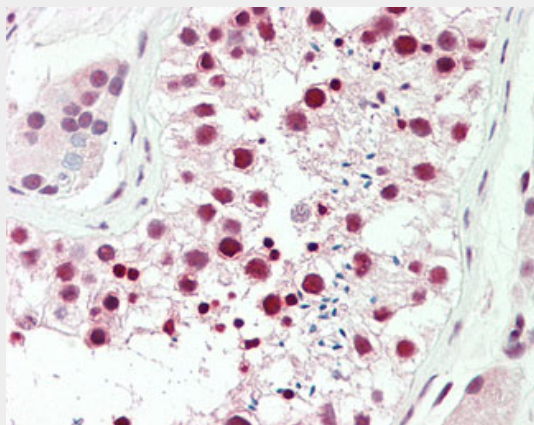
50 µl

DDX39A Antibody - Protocols

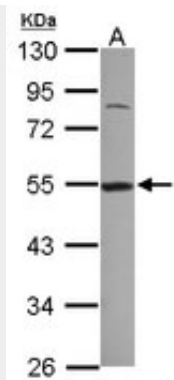
Provided below are standard protocols that you may find useful for product applications.

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

DDX39A Antibody - Images



Anti-DDX39 / BAT1 antibody IHC staining of human testis.



Sample (30 ug of whole cell lysate) A: A549 10% SDS PAGE DDX39A / DDX39 antibody diluted at 1:1000

DDX39A Antibody - Background

Isoform 1: Involved in pre-mRNA splicing. Required for the export of mRNA out of the nucleus.

DDX39A Antibody - References

Jelinek W.R.,et al.Submitted (FEB-1997) to the EMBL/GenBank/DDBJ databases.
Sugiura T.,et al.Cancer Biol. Ther. 6:957-964(2007).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Grimwood J.,et al.Nature 428:529-535(2004).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.