

**DDX19B Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP20114a****Specification**

---

**DDX19B Antibody (N-term) - Product Information**

|                   |                             |
|-------------------|-----------------------------|
| Application       | WB,E                        |
| Primary Accession | <a href="#">O9UMR2</a>      |
| Other Accession   | <a href="#">NP_009173.1</a> |
| Reactivity        | Human                       |
| Host              | Rabbit                      |
| Clonality         | Polyclonal                  |
| Isotype           | Rabbit IgG                  |
| Calculated MW     | 53927                       |
| Antigen Region    | 7-36                        |

**DDX19B Antibody (N-term) - Additional Information****Gene ID** 11269**Other Names**

ATP-dependent RNA helicase DDX19B, DEAD box RNA helicase DEAD5, DEAD box protein 19B, DDX19B, DBP5, DDX19, TDBP

**Target/Specificity**

This DDX19B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 7-36 amino acids from the N-terminal region of human DDX19B.

**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**

DDX19B Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**DDX19B Antibody (N-term) - Protein Information****Name** DDX19B

**Synonyms** DBP5, DDX19, TDBP

**Function** ATP-dependent RNA helicase involved in mRNA export from the nucleus (PubMed:[10428971](#)). Rather than unwinding RNA duplexes, DDX19B functions as a remodeler of ribonucleoprotein particles, whereby proteins bound to nuclear mRNA are dissociated and replaced by cytoplasmic mRNA binding proteins (PubMed:[10428971](#)).

**Cellular Location**

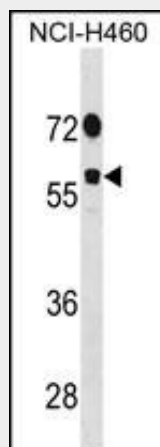
Cytoplasm. Nucleus, nucleoplasm. Note=Associates with the nuclear pore complex cytoplasmic fibrils

**DDX19B Antibody (N-term) - 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](#)

**DDX19B Antibody (N-term) - Images**



DDX19B Antibody (N-term) (Cat. #AP20114a) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the DDX19B antibody detected the DDX19B protein (arrow).

**DDX19B Antibody (N-term) - 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 exhibits RNA-dependent ATPase and ATP-dependent RNA-unwinding

activities. This protein is recruited to the cytoplasmic fibrils of the nuclear pore complex, where it participates in the export of mRNA from the nucleus. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene.

#### **DDX19B Antibody (N-term) - References**

Collins, R., et al. J. Biol. Chem. 284(16):10296-10300(2009)  
von Moeller, H., et al. Nat. Struct. Mol. Biol. 16(3):247-254(2009)  
Lamesch, P., et al. Genomics 89(3):307-315(2007)  
Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :  
Yin, L., et al. Reprod. Fertil. Dev. 14 (3-4), 185-189 (2002) :