

DDX18 Antibody (aa20-70)
Rabbit Polyclonal Antibody
Catalog # ALS15286**Specification**

DDX18 Antibody (aa20-70) - Product Information

Application	WB, IHC-P
Primary Accession	Q9NVP1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	75kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A

DDX18 Antibody (aa20-70) - Additional Information**Gene ID** 8886**Other Names**

ATP-dependent RNA helicase DDX18, 3.6.4.13, DEAD box protein 18, Myc-regulated DEAD box protein, MrDb, DDX18

Target/Specificity

Human DDX18

Reconstitution & Storage

Store at 4°C for short term applications. For long term storage, aliquot and store at -20°C.

Precautions

DDX18 Antibody (aa20-70) is for research use only and not for use in diagnostic or therapeutic procedures.

DDX18 Antibody (aa20-70) - Protein Information**Name** DDX18**Synonyms** cPERP-D {ECO:0000303|PubMed:20813266}**Function**

ATP-dependent RNA helicase that plays a role in the regulation of R-loop homeostasis in both endogenous R-loop-prone regions and at sites of DNA damage. At endogenous loci such as actively transcribed genes, may act as a helicase to resolve the formation of R-loop during transcription and prevent the interference of R-loop with DNA-replication machinery. Also participates in the removal of DNA- lesion-associated R-loop (PubMed:35858569). Plays an essential role for establishing pluripotency during embryogenesis and for pluripotency maintenance in embryonic stem cells. Mechanistically, prevents the polycomb repressive complex

2 (PRC2) from accessing rDNA loci and protects the active chromatin status in nucleolus (By similarity).

Cellular Location

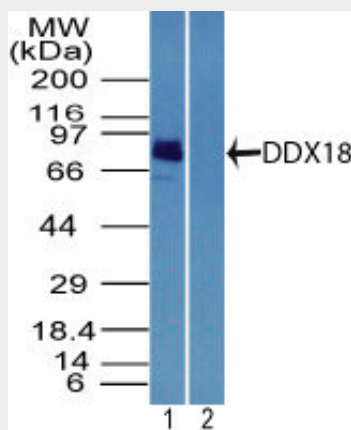
Nucleus, nucleolus. Chromosome

DDX18 Antibody (aa20-70) - 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](#)

DDX18 Antibody (aa20-70) - Images



Western blot of DDX18 in T98G cell lysate in the 1) absence and 2) presence of immunizing peptide...

DDX18 Antibody (aa20-70) - Background

Probable RNA-dependent helicase.

DDX18 Antibody (aa20-70) - References

Ota T., et al. Nat. Genet. 36:40-45(2004).
Grandori C., et al. EMBO J. 15:4344-4357(1996).
Ebert L., et al. Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Gevaert K., et al. Nat. Biotechnol. 21:566-569(2003).
Sekiguchi T., et al. Nucleic Acids Res. 34:4593-4608(2006).