

Goat Anti-DBP5 / DDX19 Antibody
Peptide-affinity purified goat antibody
Catalog # AF1304a**Specification**

Goat Anti-DBP5 / DDX19 Antibody - Product Information

Application	WB
Primary Accession	Q9UMR2
Other Accession	NP_060802 , 11269 , 55308 , 234733 (mouse) , 690693 (rat)
Reactivity	Human
Predicted	Mouse, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	53927

Goat Anti-DBP5 / DDX19 Antibody - Additional Information**Gene ID** 11269**Other Names**

ATP-dependent RNA helicase DDX19B, 3.6.4.13, DEAD box RNA helicase DEAD5, DEAD box protein 19B, DDX19B, DBP5, DDX19, TDBP

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-DBP5 / DDX19 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-DBP5 / DDX19 Antibody - 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

Goat Anti-DBP5 / DDX19 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](#)

Goat Anti-DBP5 / DDX19 Antibody - Images



AF1304a (0.5 µg/ml) staining of K562 cell lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-DBP5 / DDX19 Antibody - 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.

Goat Anti-DBP5 / DDX19 Antibody - References

Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. Cell, 2009 Jul 23. PMID 19615732.

The DEXD/H-box RNA helicase DDX19 is regulated by an {alpha}-helical switch. Collins R, et al. J Biol Chem, 2009 Apr 17. PMID 19244245.

The mRNA export protein DBP5 binds RNA and the cytoplasmic nucleoporin NUP214 in a mutually exclusive manner. von Moeller H, et al. Nat Struct Mol Biol, 2009 Mar. PMID 19219046.

Large-scale mapping of human protein-protein interactions by mass spectrometry. Ewing RM, et al. Mol Syst Biol, 2007. PMID 17353931.

A human protein-protein interaction network: a resource for annotating the proteome. Stelzl U, et al. Cell, 2005 Sep 23. PMID 16169070.