

Goat Anti-DEAD-box protein 6 Antibody
Peptide-affinity purified goat antibody
Catalog # AF1312a**Specification**

Goat Anti-DEAD-box protein 6 Antibody - Product Information

Application	WB, E
Primary Accession	P26196
Other Accession	NP_004388 , 1656
Reactivity	Human
Predicted	Mouse, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	54417

Goat Anti-DEAD-box protein 6 Antibody - Additional Information**Gene ID** 1656**Other Names**

Probable ATP-dependent RNA helicase DDX6, 3.6.4.13, ATP-dependent RNA helicase p54, DEAD box protein 6, Oncogene RCK, DDX6, HLR2, RCK

Dilution

WB~~1:1000

E~~N/A

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-DEAD-box protein 6 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-DEAD-box protein 6 Antibody - Protein Information**Name** DDX6**Synonyms** HLR2, RCK

Function

Essential for the formation of P-bodies, cytosolic membrane-less ribonucleoprotein granules involved in RNA metabolism through the coordinated storage of mRNAs encoding regulatory functions (PubMed:25995375, PubMed:27342281, PubMed:31422817). Plays a role in P- bodies to coordinate the storage of translationally inactive mRNAs in the cytoplasm and prevent their degradation (PubMed:27342281). In the process of mRNA degradation, plays a role in mRNA decapping (PubMed:16364915). Blocks autophagy in nutrient-rich conditions by repressing the expression of ATG-related genes through degradation of their transcripts (PubMed:26098573).

Cellular Location

Cytoplasm, P-body. Cytoplasm. Nucleus. Cytoplasm, Cytoplasmic ribonucleoprotein granule {ECO:0000250|UniProtKB:P54823}. Note=Imported in the nucleus via interaction with EIF4ENIF1/4E-T via a piggy-back mechanism (PubMed:28216671). Upon cellular stress, relocates to stress granules (PubMed:26184334).

Tissue Location

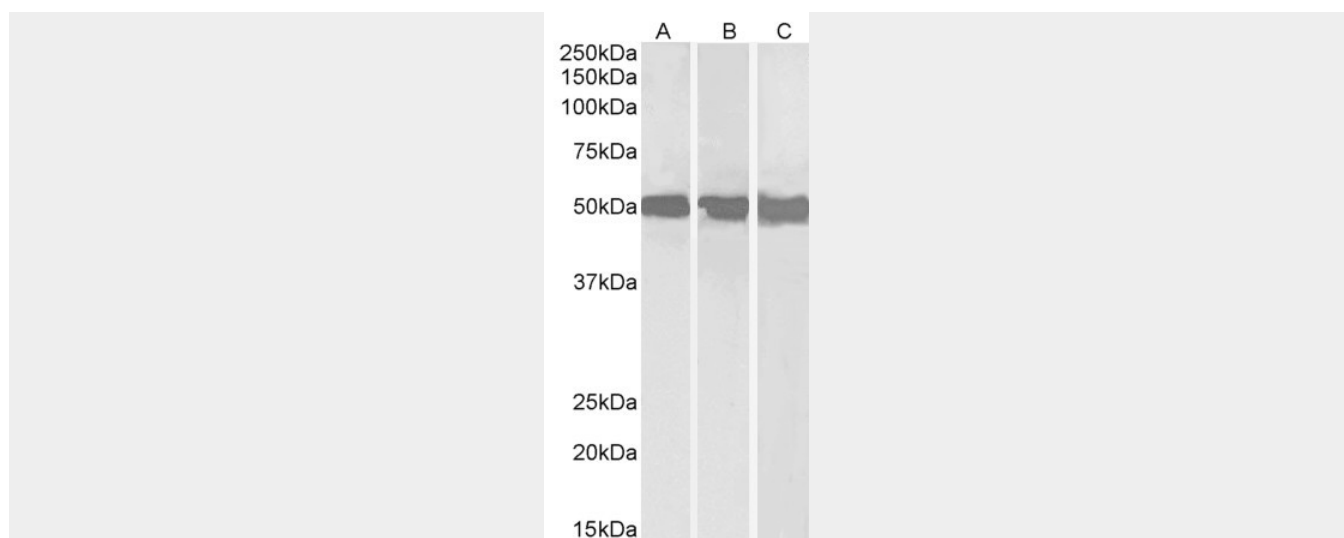
Abundantly expressed in most tissues.

Goat Anti-DEAD-box protein 6 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-DEAD-box protein 6 Antibody - Images



AF1312a (0.3µg/ml) staining of Daudi (A), Jurkat (B) and HepG2 (C) lysates (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence

Goat Anti-DEAD-box protein 6 Antibody - Background

This gene encodes a member of the DEAD box protein family. The protein is an RNA helicase found in P-bodies and stress granules, and functions in translation suppression and mRNA degradation. It is required for microRNA-induced gene silencing.

Goat Anti-DEAD-box protein 6 Antibody - References

DDX6 (Rck/p54) is required for efficient hepatitis C virus replication but not for internal ribosome entry site-directed translation. Jangra RK, et al. J Virol, 2010 Jul. PMID 20392846.
A genomewide association study of nicotine and alcohol dependence in Australian and Dutch populations. Lind PA, et al. Twin Res Hum Genet, 2010 Feb. PMID 20158304.
Genome-wide association study in a Chinese Han population identifies nine new susceptibility loci for systemic lupus erythematosus. Han JW, et al. Nat Genet, 2009 Nov. PMID 19838193.
Role of p54 RNA helicase activity and its C-terminal domain in translational repression, P-body localization and assembly. Minshall N, et al. Mol Biol Cell, 2009 May. PMID 19297524.
Structural basis for the mutually exclusive anchoring of P body components EDC3 and Tral to the DEAD box protein DDX6/Me31B. Tritschler F, et al. Mol Cell, 2009 Mar 13. PMID 19285948.