

**DDX6 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP16996b****Specification**

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**DDX6 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P26196</a>
Other Accession	<a href="#">NP_004388.2</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	54417
Antigen Region	455-483

**DDX6 Antibody (C-term) - Additional Information****Gene ID** 1656**Other Names**

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

**Target/Specificity**

This DDX6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 455-483 amino acids from the C-terminal region of human DDX6.

**Dilution**

WB~~1:1000

**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**

DDX6 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**DDX6 Antibody (C-term) - 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. Note=Imported in the nucleus via interaction with EIF4ENIF1/4E-T via a piggy-back mechanism (PubMed:28216671). Upon cellular stress, relocalizes to stress granules (PubMed:26184334).

#### Tissue Location

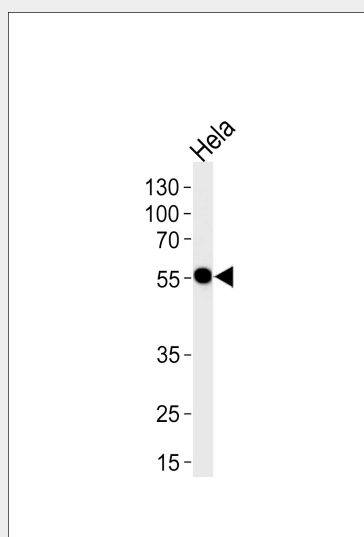
Abundantly expressed in most tissues.

### DDX6 Antibody (C-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](#)

### DDX6 Antibody (C-term) - Images



Western blot analysis of lysate from HeLa cell line, using DDX6 Antibody (C-term)(Cat. #AP16996b). AP16996b was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.

### DDX6 Antibody (C-term) - 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.

**DDX6 Antibody (C-term) - References**

Naarmann, I.S., et al. RNA 16(11):2189-2204(2010)  
Jangra, R.K., et al. J. Virol. 84(13):6810-6824(2010)  
Lind, P.A., et al. Twin Res Hum Genet 13(1):10-29(2010)  
Han, J.W., et al. Nat. Genet. 41(11):1234-1237(2009)  
Minshall, N., et al. Mol. Biol. Cell 20(9):2464-2472(2009)