

DDX6 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP16996b**Specification**

DDX6 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [P26196](#)**DDX6 Antibody (C-term) Blocking Peptide - 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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

DDX6 Antibody (C-term) Blocking Peptide - 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](http://www.uniprot.org/citations/25995375), PubMed: [27342281](http://www.uniprot.org/citations/27342281), PubMed: [31422817](http://www.uniprot.org/citations/31422817)). Plays a role in P- bodies to coordinate the storage of translationally inactive mRNAs in the cytoplasm and prevent their degradation (PubMed: [27342281](http://www.uniprot.org/citations/27342281)). In the process of mRNA degradation, plays a role in mRNA decapping (PubMed: [16364915](http://www.uniprot.org/citations/16364915)). Blocks autophagy in nutrient-rich conditions by repressing the expression of ATG-related genes through degradation of their transcripts (PubMed: [26098573](http://www.uniprot.org/citations/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) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

DDX6 Antibody (C-term) Blocking Peptide - Images**DDX6 Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - 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)