

**DDX6 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9900c****Specification**

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**DDX6 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [P26196](#)**DDX6 Antibody (Center) 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 (Center) 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 (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**DDX6 Antibody (Center) Blocking Peptide - Images****DDX6 Antibody (Center) 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 (Center) Blocking Peptide - References**

Broytman, O., et al. Neurobiol. Aging 30(12):1962-1974(2009) Han, J.W., et al. Nat. Genet. 41(11):1234-1237(2009) Minshall, N., et al. Mol. Biol. Cell 20(9):2464-2472(2009) Tritschler, F., et al. Mol. Cell 33(5):661-668(2009)