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DDX6 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP16996b

Specification

DDX6 Antibody (C-term) Blocking Peptide - Product Information

Primary 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, 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) 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 stressgranules, and functions in translation suppression and mRNAdegradation. 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)