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DDX6 Antibody
Rabbit mAb
Catalog # AP91719

Specification

DDX6 Antibody - Product Information

Application	**WB, IHC**
Primary Accession	P26196
Reactivity	**Rat**
Clonality	**Monoclonal**
Other Names	
DDX6; HLR2; P54; RCK;	
Isotype	**Rabbit IgG**
Host	**Rabbit**
Calculated MW	**54417 Da**

DDX6 Antibody - Additional Information

Dilution	**WB~~1:1000** **IHC~~1:100~500**
Purification	**Affinity-chromatography**
Immunogen	**A synthesized peptide derived from human DDX6**
Description	**DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly.**
Storage Condition and Buffer	**Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.**

DDX6 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:<a href="http://www.uniprot.org/citations/25995375"

target="_blank">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, relocalizes to stress granules (PubMed:26184334).

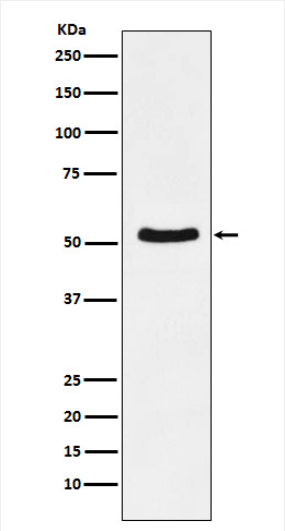
Tissue Location
Abundantly expressed in most tissues.

DDX6 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 Cytomety
- Cell Culture

DDX6 Antibody - Images



Western blot analysis of DDX6 expression in K562 cell lysate.