

# DDX6 Rabbit mAb

Catalog # AP77115

## Product Information

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<b>Application</b>	WB, IHC-P
<b>Primary Accession</b>	<a href="#">P26196</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Isotype</b>	IgG
<b>Conjugate</b>	Unconjugated
<b>Immunogen</b>	A synthesized peptide derived from human DDX6
<b>Purification</b>	Affinity Chromatography
<b>Calculated MW</b>	54417

## Additional Information

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<b>Gene ID</b>	1656
<b>Other Names</b>	DDX6
<b>Dilution</b>	WB~~1/500-1/1000 IHC-P~~N/A
<b>Format</b>	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

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<b>Name</b>	DDX6
<b>Synonyms</b>	HLR2, RCK
<b>Function</b>	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="#">25995375</a> , PubMed: <a href="#">27342281</a> , PubMed: <a href="#">31422817</a> ). Plays a role in P-bodies to coordinate the storage of translationally inactive mRNAs in the cytoplasm and prevent their degradation (PubMed: <a href="#">27342281</a> ). In the process of mRNA degradation, plays a role in mRNA decapping (PubMed: <a href="#">16364915</a> ). Blocks autophagy in nutrient-rich conditions by repressing the expression of ATG-related genes through degradation of their transcripts (PubMed: <a href="#">26098573</a> ).
<b>Cellular Location</b>	Cytoplasm, P-body. Cytoplasm. Nucleus. Cytoplasm, Cytoplasmic

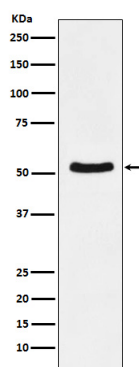
ribonucleoprotein granule {ECO:0000250|UniProtKB:P54823}. Note=Imported in the nucleus via interaction with EIF4ENIF1/4E-T via a piggy-back mechanism (PubMed:28216671). Upon cellular stress, relocalizes to stress granules (PubMed:26184334).

## Tissue Location

Abundantly expressed in most tissues.

## Images

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